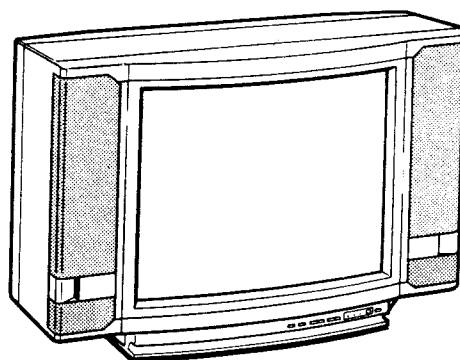


KV-27HSR10⁵

RM-763

SERVICE MANUAL



US Model

Chassis No. SCC-C59C-A

Canadian Model

Chassis No. SCC-C60C-A

ANU-1 CHASSIS

Note: The service manual for RM-763 has been issued separately.

MODELS OF THE SAME SERIES

| KV-27HSR10 | KV-32HSR10 |
|--------------------|------------|
| KV-27XBR10/27XBR60 | |
| KV-32XBR10/32XBR70 | |

SPECIFICATIONS

| | |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Television system | American TV standards |
| Channel coverage | VHF: 2-13 UHF: 14-69 Cable TV: 1-125 |
| Picture tube | Microblack Trinitron tube 27-inch picture measured diagonally 29-inch picture tube measured diagonally |
| Antenna | 75-ohm external antenna terminal for VHF/UHF |
| Input | VIDEO 1, 2 and 3 IN S VIDEO IN (4-pin mini DIN) Y: 1 Vp-p, 75-ohms unbalanced, sync negative C: 0.286 Vp-p (Burst signal), 75-ohms Video (phono jacks): 1 Vp-p, 75-ohms unbalanced, sync negative Audio (phono jacks): 500 mVrms (100% modulation) Impedance: 47 kilohms |
| Output | MONITOR OUTPUT S VIDEO OUTPUT (4-pin mini DIN) Y: 1 Vp-p, 75-ohms unbalanced, sync negative C: 0.286 Vp-p (Burst signal), 75-ohms Video (phono jacks): 1 Vp-p, 75-ohms unbalanced, sync negative Audio (phono jacks): 500 mVrms (100% modulation) Impedance: 10 kilohms |

AUDIO OUTPUT (VARIABLE) (phono jacks)
More than 408 mVrms at the maximum volume setting (variable)
Impedance: 5 kilohms

Power requirements 120V AC, 60Hz

Power consumption 225W (max.)
1.5W (in standby condition)

Accessories supplied
Remote Commander RM-763 with 4 size AA (R6) batteries (1)
Antenna connector (1)

Optional accessories
U/V mixer EAC-66
Connecting cable VMC-810/820S
YC-15V/30V
Video rack
SU-235X (with super-woofer)
SU-235X (with super-woofer)
SU-251 (black)
SU-330 (black)

Design and specifications are subject to change without notice.

TRINITRON® COLOR TV
SONY®


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WARNING !!

AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE TO AVOID POSSIBLE SHOCK HAZARD, BECAUSE OF LIVE CHASSIS. THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE AC POWER LINE.


SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY SHADING AND MARK  ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY. CIRCUIT ADJUSTMENTS THAT ARE CRITICAL TO SAFE OPERATION ARE IDENTIFIED IN THIS MANUAL. FOLLOW THESE PROCEDURES WHENEVER CRITICAL COMPONENTS ARE REPLACED OR IMPROPER OPERATION IS SUSPECTED.

ATTENTION!!

AFIN D'EVITER TOUT RISQUE D'ELECTROCUTION PROVENANT D'UN CHÂSSIS SOUS TENSION, UN TRANSFORMATEUR D'ISOLEMENT DOIT ETRE UTILISÉ LORS DE TOUT DÉPANNAGE. LE CHÂSSIS DE CE RÉCEPTEUR EST DIRECTEMENT RACCORDÉ À L'ALIMENTATION SECTEUR.

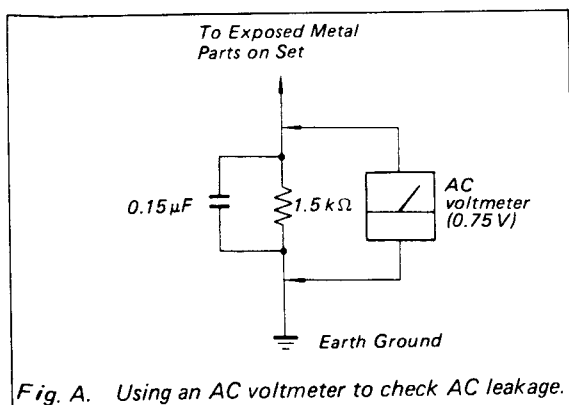
ATTENTION AUX COMPOSANTS RELATIFS À LA SÉCURITÉ!!

LES COMPOSANTS IDENTIFIÉS PAR UNE TRAME ET PAR UNE MARQUE  SUR LES SCHÉMAS DE PRINCIPE, LES VUES EXPLODÉES ET LES LISTES DE PIÈCES SONT D'UNE IMPORTANCE CRITIQUE POUR LA SÉCURITÉ DU FONCTIONNEMENT. NE LES REMPLACER QUE PAR DES COMPOSANTS SONY DONT LE NUMÉRO DE PIÈCE EST INDIQUÉ DANS LE PRÉSENT MANUEL OU DANS DES SUPPLÉMENTS PUBLIÉS PAR SONY. LES RÉGLAGES DE CIRCUIT DONT L'IMPORTANCE EST CRITIQUE POUR LA SÉCURITÉ DU FONCTIONNEMENT SONT IDENTIFIÉS DANS LE PRÉSENT MANUEL. SUIVRE CES PROCÉDURES LORS DE CHAQUE REMPLACEMENT DE COMPOSANTS CRITIQUES, OU LORSQU'UN MAUVAIS FONCTIONNEMENT EST SUSPECTÉ.

SAFETY CHECK-OUT (US Model only)

After correcting the original service problem, perform the following safety checks before releasing the set to the customer:

1. Check the area of your repair for unsoldered or poorly-soldered connections. Check the entire board surface for solder splashes and bridges.
2. Check the interboard wiring to ensure that no wires are "pinched" or contact high-wattage resistors.
3. Check that all control knobs, shields, covers, ground straps, and mounting hardware have been replaced. Be absolutely certain that you have replaced all the insulators.
4. Look for unauthorized replacement parts, particularly transistors, that were installed during a previous repair. Point them out to the customer and recommend their replacement.
5. Look for parts which, though functioning, show obvious signs of deterioration. Point them out to the customer and recommend their replacement.
6. Check the line cord for cracks and abrasion. Recommend the replacement of any such line cord to the customer.
7. Check the condition of the monopole antenna (if any).
Make sure the end is not broken off, and has the plastic cap on it. Point out the danger of impalement on a broken antenna to the customer, and recommend the antenna's replacement.
8. Check the B+ and HV to see they are at the values specified. Make sure your instruments are accurate; be suspicious of your HV meter if sets always have low HV.
9. Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.



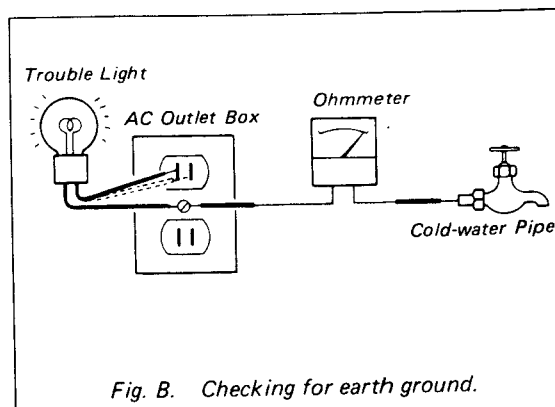
LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)

HOW TO FIND A GOOD EARTH GROUND

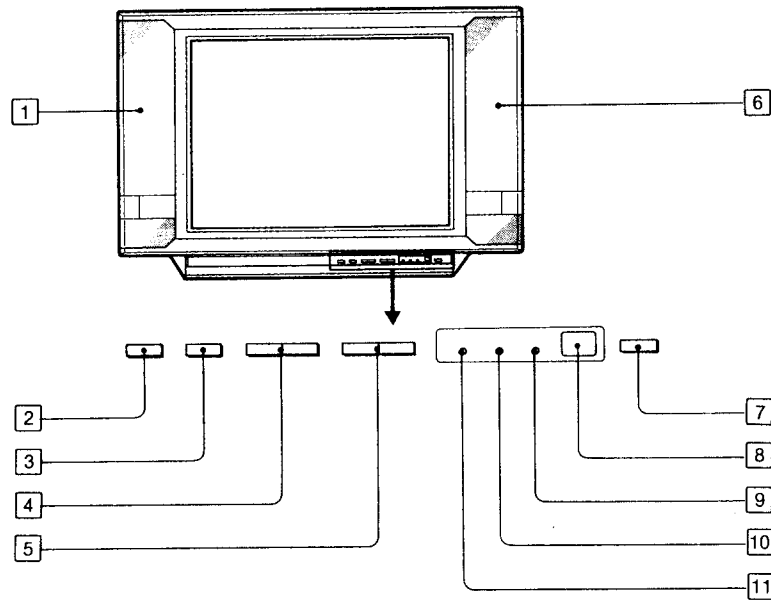
A cold-water pipe is guaranteed earth ground; the cover-plate retaining screw on most AC outlet boxes is also at earth ground. If the retaining screw is to be used as your earth-ground, verify that it is at ground by measuring the resistance between it and a cold-water pipe with an ohmmeter. The reading should be zero ohms. If a cold-water pipe is not accessible, connect a 60–100 watts trouble light (not a neon lamp) between the hot side of the receptacle and the retaining screw. Try both slots, if necessary, to locate the hot side of the line, the lamp should light at normal brilliance if the screw is at ground potential. (See Fig. B)



SECTION 1 GENERAL

1-1. LOCATION OF CONTROLS

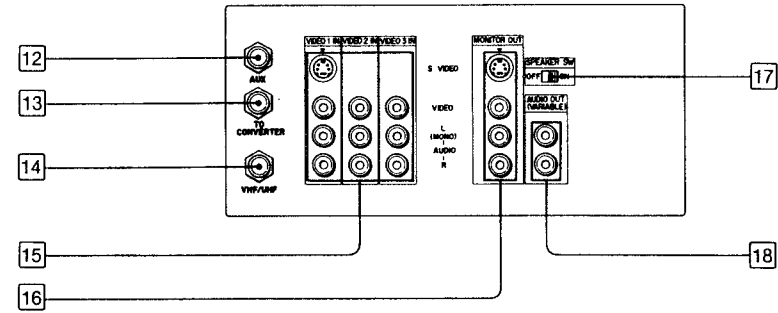
Front panel



- 1 Left speaker (tweeter and woofer)
- 2 (●) SRS (Sound Retrieval System) button
- 3 TV/VIDEO button
- 4 VOLUME buttons
- 5 CHANNEL buttons
- 6 Right speaker (tweeter and woofer)

- 7 POWER switch
- 8 Remote sensor
- 9 SLEEP indicator
- 10 STEREO indicator
- 11 TIMER indicator

Rear panel

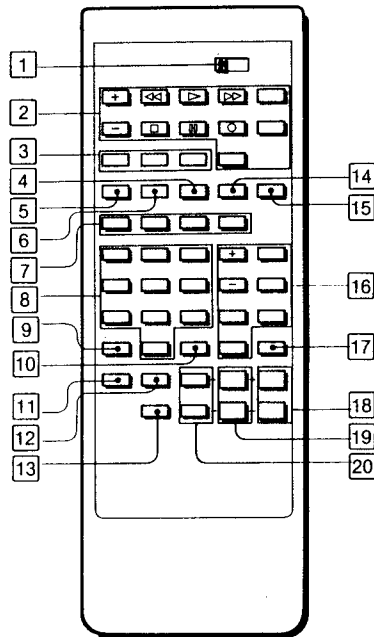


- 12 AUX (auxiliary) terminal
- 13 TO CONVERTER terminal
- 14 VHF/UHF antenna terminal
- 15 VIDEO 1, 2, 3 IN jacks (phono jacks)

- 16 MONITOR OUT jacks (phono jacks)
- 17 SPEAKER SW (switch)
- 18 AUDIO OUT (VARIABLE) jacks (phono jacks)

Remote Commander RM-763

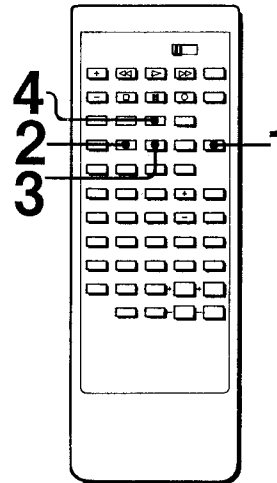
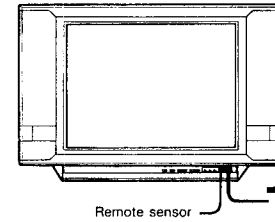
The buttons with * mark have the same function as the buttons with the same or similar mark on the TV.






- 1 VTR 1/2/3/MDP (multi disc player) selector
- 2 Sony VCR/multi disc player operation buttons
- 3 Channel presetting buttons
- 4 ANT/AUX (antenna/auxiliary) button
- 5 MUTE button
- 6 CABLE button
- 7 Input select buttons (TV, VIDEO 1, VIDEO 2, VIDEO 3)*
- 8 Channel number buttons
- 9 DISPLAY button
- 10 ENTER button
- 11 TIME button
- 12 MTS (multichannel TV sound) button
- 13 SRS (sound retrieval system) button*
- 14 SLEEP button
- 15 POWER button*
- 16 A/V WINDOW (audio and video adjusting) buttons
- 17 JUMP button
- 18 CH (channel) scan buttons*
- 19 VOL (volume) control buttons*
- 20 PICTURE buttons

1-2. PRESETTING TV CHANNELS

To Preset All Receivable Channels Automatically




- 1** Press POWER on the TV or the Remote Commander to turn the TV on.
 
- 2** Press CABLE so that the appropriate mode appears.
 




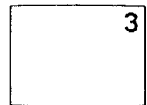
3

To preset VHF or UHF channels



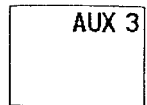
C3

To preset cable TV channels
- 3** Press ANT/AUX according to the channel to be preset.
 





3

To preset VHF, UHF or regular cable TV channels



AUX 3

To preset pay cable TV channels
- 4** Press AUTO PGM.
 


"AUTO PROGRAM" is displayed on the screen and receivable channels (other than the channels already preset) will be preset in numerical sequence. The channels previously preset remain in the unit's memory. When no more channels can be found, the programming stops and the lowest numbered channel is displayed.

Receivable channels of this TV are:

VHF: 2-13
UHF: 14-69
Cable: 1-125

To add the channels that could not be preset with automatic programming because their signal strength was too weak, or to erase unnecessary channels. Follow the steps in "To preset only the desired channels or to erase unnecessary channels" on the next page.

To check preset channels

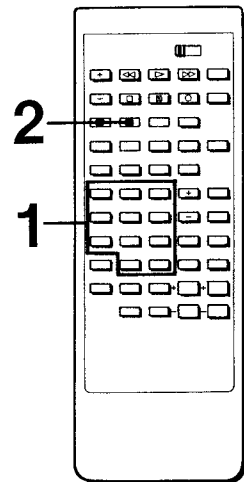
Press CH +/-.

If the indication "VIDEO 1, VIDEO 2, VIDEO 3" is displayed on the screen

Press the TV/VIDEO button on the TV or the TV button on the Remote Commander so that a channel number appears.

1-3. WATCHING TV PROGRAMS

To Preset Only the Desired Channel or to Erase Unnecessary Channels



1 Press the channel number button(s) and then ENTER to select the channel to be added or erased.

2 To add channels — Press ADD.

To erase channels — Press ERASE.

A "+" appears for a moment. This channel has now been added to the channel scan memory.

A "-" appears for a moment. This channel has now been erased from the channel scan memory. The next time the CH +/- button is pressed, this channel will be skipped.

Repeat steps 1 and 2 for other channels to be added or erased.

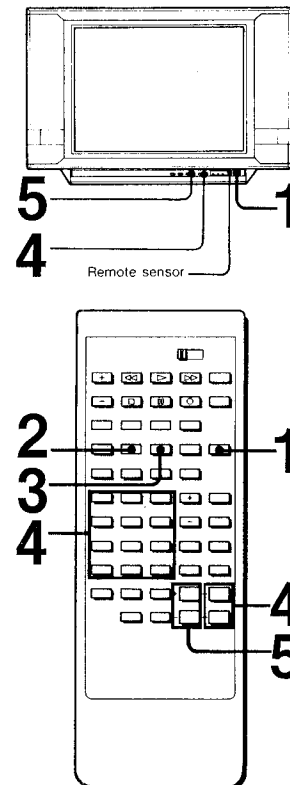
When a VHF or UHF channel is erased
The cable TV channel with the same number is also erased and vice versa.

Cable TV channel chart*
Cable TV systems use letters or numbers to designate channels. To tune in a channel, refer to the chart below.

| Number on this TV | 1 | 5 | 6 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | |
|----------------------------|-----|-----|-----|----|----|-----|-----|-----|------|------|-----|-----|-----|-----|-----|------|------|------|------|------|------|
| Corresponding CATV channel | A-8 | A-7 | A-6 | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | |
| 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 | 101 | 102 | 123 | 124 | 125 |
| R | S | T | U | V | W | W+1 | W+2 | W+3 | W+57 | W+58 | A-5 | A-4 | A-3 | A-2 | A-1 | W+59 | W+60 | W+61 | W+82 | W+83 | W+84 |

Check with your local cable TV company for more complete information on the available channels.

*The designation of the cable TV channels conforms to the EIA/NCTA recommendation.



1 Press POWER on the TV or the Remote Commander to turn the TV on.

2 Press CABLE so that the appropriate mode appears.

3 Press ANT/AUX according to the channel to be watched.

4 Select a channel in one of the following two ways:

To scan the preset channels in numerical sequence, press CH +/-.

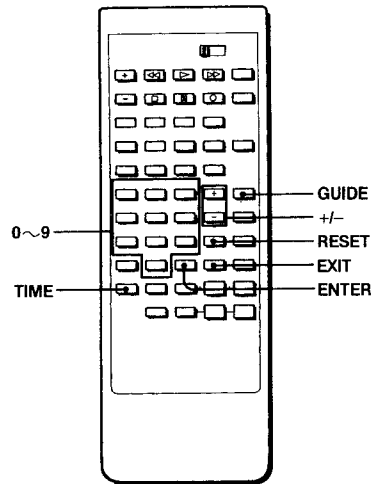
To select a channel directly, press the channel number button(s) and then ENTER. For example, to select channel 10, press 1.0 and ENTER.

5 Press VOL + or - to adjust the volume.

1-4. USING THE GUIDE FUNCTION

The GUIDE function calls up the on-screen menu and instructions on how to set the current time, timer, channel block.





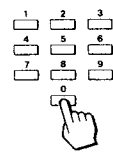

Buttons used for GUIDE function



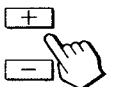
- All setting will be erased from the unit's memory if the unit is unplugged, or if a power failure occurs.
- The ON/OFF TIMER and CHANNEL BLOCK will operate only if the clock is set correctly.

Setting the Clock

Example: To set the clock to 5:30 PM, Monday.

| | | | |
|----------|--------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| 1 | Press GUIDE. Press repeatedly until "CURRENT TIME SET" turns red. |  | GUIDE CURRENT TIME SET ON/OFF TIMER CHANNEL BLOCK |
| 2 | Press ENTER. |  | CURRENT TIME SET SUN ____ AM SELECT TODAY'S DAY. PLEASE USE [+] [-] & [ENTER]. |
| 3 | Press +/- until the desired day of the week appears. |  | CURRENT TIME SET MON ____ AM SELECT TODAY'S DAY. PLEASE USE [+] [-] & [ENTER]. |
| 4 | Press ENTER. If the time is already set, the current set time will appear. To clear these numbers, press any number. |  | CURRENT TIME SET MON ____ AM SET THE CURRENT TIME. PLEASE USE [0-9] & [ENTER]. |
| 5 | Press 0-9 to set the desired time. (For 5:30, press 0,5,3,0) |  | CURRENT TIME SET MON 05:30 AM SET THE CURRENT TIME. PLEASE USE [0-9] & [ENTER]. |
| 6 | Press ENTER. |  | CURRENT TIME SET MON 05:30 AM SELECT AM OR PM. PLEASE USE [+] [-] & [ENTER]. |


7
Press +/- to set AM or PM.



CURRENT TIME SET
MON _5:30 PM

SELECT AM OR PM.
PLEASE USE (+) (-) & [ENTER].

8
Press ENTER.
The moment ENTER is pressed, the clock will start.
Now, the clock is set. The indication will disappear after approx. 5 seconds.



CURRENT TIME SET
MON _5:30 PM

CURRENT TIME IS SET. THANK YOU.

To restore the normal picture
Press EXIT.

To clear the current time setting
Display the "CURRENT TIME SET" page and press RESET, then EXIT.

To reset the setting
Display the "CURRENT TIME SET" page and press RESET, then repeat steps 3 to 8.

To display the current time
Press TIME.

Notes

- The internal clock of this TV operates on a 12-hour cycle. If a 24-hour cycle number is entered, it will be cleared when ENTER is pressed.


12:00 AM stands for midnight.
12:00 PM stands for noon.

Setting the ON/OFF Timer

ON/OFF TIMER allows the program of your choice to appear on the screen at the desired time.


Example: Set the timer to turn on the TV to channel 8 at 1:00 PM for 3 hours every Monday through Friday.

1
Press GUIDE.
Press repeatedly until "ON/OFF TIMER" turns red.




GUIDE
CURRENT TIME SET
ON/OFF TIMER
CHANNEL BLOCK

2
Press ENTER.
If the clock has not been set, "PLEASE SET CURRENT TIME FIRST" appears on the screen.
Go back to page 26.




ON/OFF TIMER
EVERY SUN-SAT
_ _ _ _ AM _H CH_ _
SELECT THE DAY.
PLEASE USE (+) (-) & [ENTER].

3
Press +/- until the desired day of the week appears.



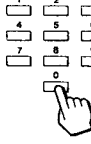
ON/OFF TIMER
EVERY MON-FRI
_ _ _ _ AM _H CH_ _
SELECT THE DAY.
PLEASE USE (+) (-) & [ENTER].

4
Press ENTER.




ON/OFF TIMER
EVERY MON-FRI
_ _ _ _ AM _H CH_ _
SET THE TIME.
PLEASE USE [0-9] & [ENTER].

5
Press 0-9 to set the desired time.
(For 1:00, press 0,1,0,0.)

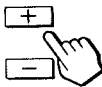

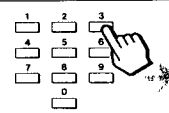

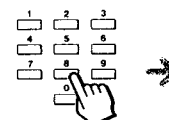
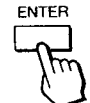


ON/OFF TIMER
EVERY MON-FRI
01:00 AM _H CH_ _
SET THE TIME.
PLEASE USE [0-9] & [ENTER].

6
Press ENTER.





ON/OFF TIMER
EVERY MON-FRI
01:00 AM _H CH_ _
SELECT AM OR PM.
PLEASE USE (+) (-) & [ENTER].

| | |
|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 7 Press +/- to set AM or PM. |  <div data-bbox="884 335 1041 470"> ON/OFF TIMER EVERY MON-FRI 01:00 PM _H CH_... SELECT AM OR PM. PLEASE USE (+) (-) & [ENTER]. </div> |
| 8 Press ENTER. |  <div data-bbox="884 502 1041 638"> ON/OFF TIMER EVERY MON-FRI 01:00 PM _H CH_... SET THE DURATION. PLEASE USE [0-9] & [ENTER]. </div> |
| 9 Press a number button to set the duration. (Up to 9 hours can be set). |  <div data-bbox="884 678 1041 805"> ON/OFF TIMER EVERY MON-FRI 01:00 PM 3H CH_... SET THE DURATION. PLEASE USE [0-9] & [ENTER]. </div> |
| 10 Press ENTER. |  <div data-bbox="884 845 1041 973"> ON/OFF TIMER EVERY MON-FRI 01:00 PM 3H CH_... SET THE CHANNEL. PLEASE USE [0-9] & [ENTER]. </div> |
| 11 Press 0-9 to set the desired channel number. |  <div data-bbox="884 1021 1041 1141"> ON/OFF TIMER EVERY MON-FRI 01:00 PM 3H CH_..8 SET THE CHANNEL. PLEASE USE [0-9] & [ENTER]. </div> |
| 12 Press ENTER. Now ON/OFF timer is set. The TIMER indicator on the TV lights up. |  <div data-bbox="884 1189 1041 1316"> ON/OFF TIMER EVERY MON-FRI .1:00 PM 3H CH_..8 ON/OFF TIMER IS SET. THANK YOU. </div> |

Setting the Channel Block

CHANNEL BLOCK prevents a channel from appearing on the screen for preset hours. We suggest you use this function to prevent children from watching undesirable programs.

Example: Set the CHANNEL BLOCK at 4:00 PM (for 1 hour), every Saturday, at channel 12.

| | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 Press GUIDE. Press repeatedly until "CHANNEL BLOCK" turns red. |  <div data-bbox="1803 399 1960 534"> GUIDE CURRENT TIME SET ON/OFF TIMER CHANNEL BLOCK </div> |
| <div data-bbox="1321 646 1803 694"> Step 2-11: Same as Setting the ON/OFF Timer. (See page 28.) </div> | |
| 12 Press ENTER. Now CHANNEL BLOCK is set. At the preset time, the picture of the selected channel will be blocked from view and the sound will be muted. A red "BLOCKED" indication will appear on the screen while the channel is blocked. |  <div data-bbox="1792 813 1960 941"> CHANNEL BLOCK EVERY SATURDAY 4:00 PM 2H CH..12 CHANNEL BLOCK IS SET. THANK YOU. </div> |

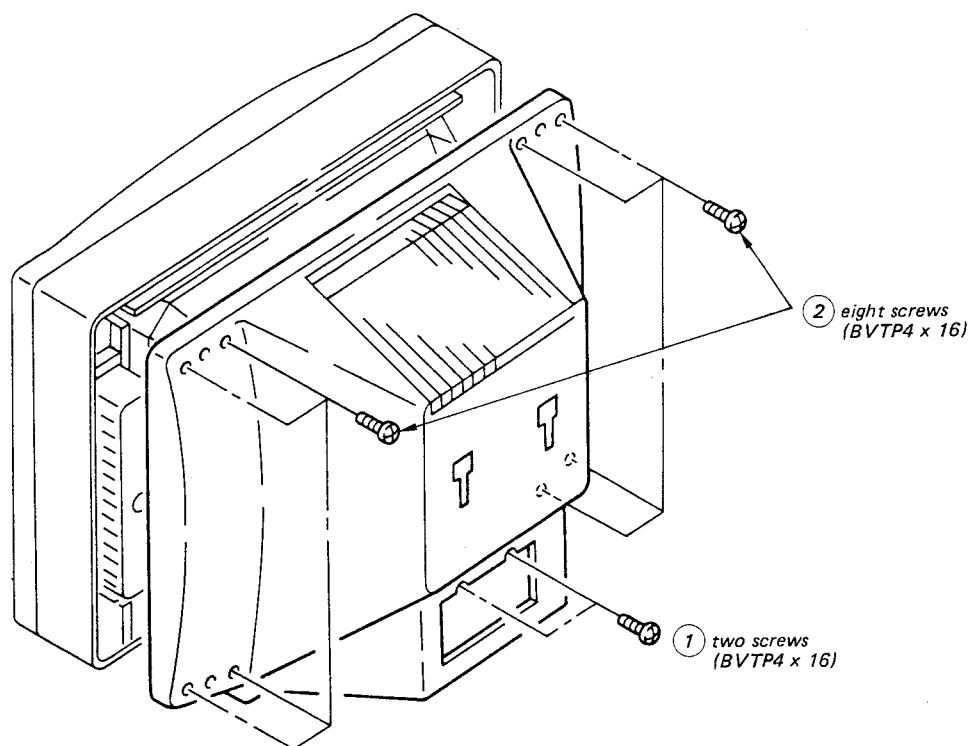
To restore the normal picture
Press EXIT.

To clear the setting
Display the "CHANNEL BLOCK" page and press RESET, then EXIT.

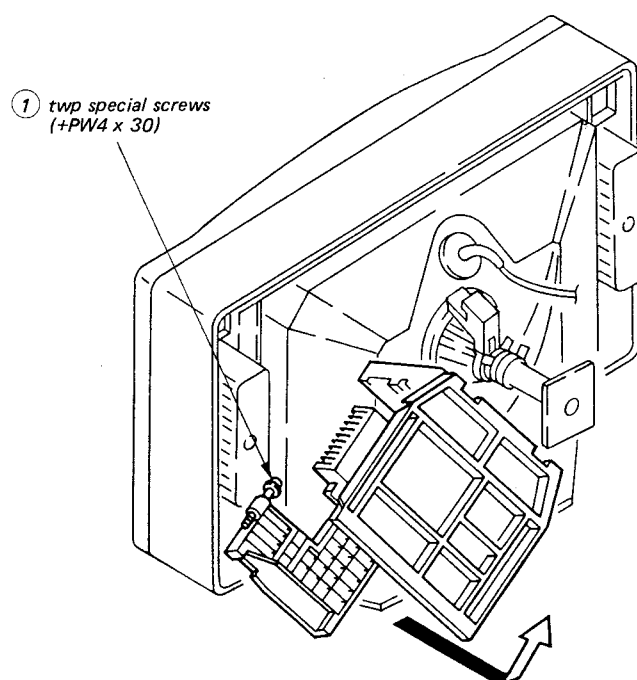
To reset the setting
Display the "CHANNEL BLOCK" page and repeat steps from the beginning.

SECTION 2 DISASSEMBLY

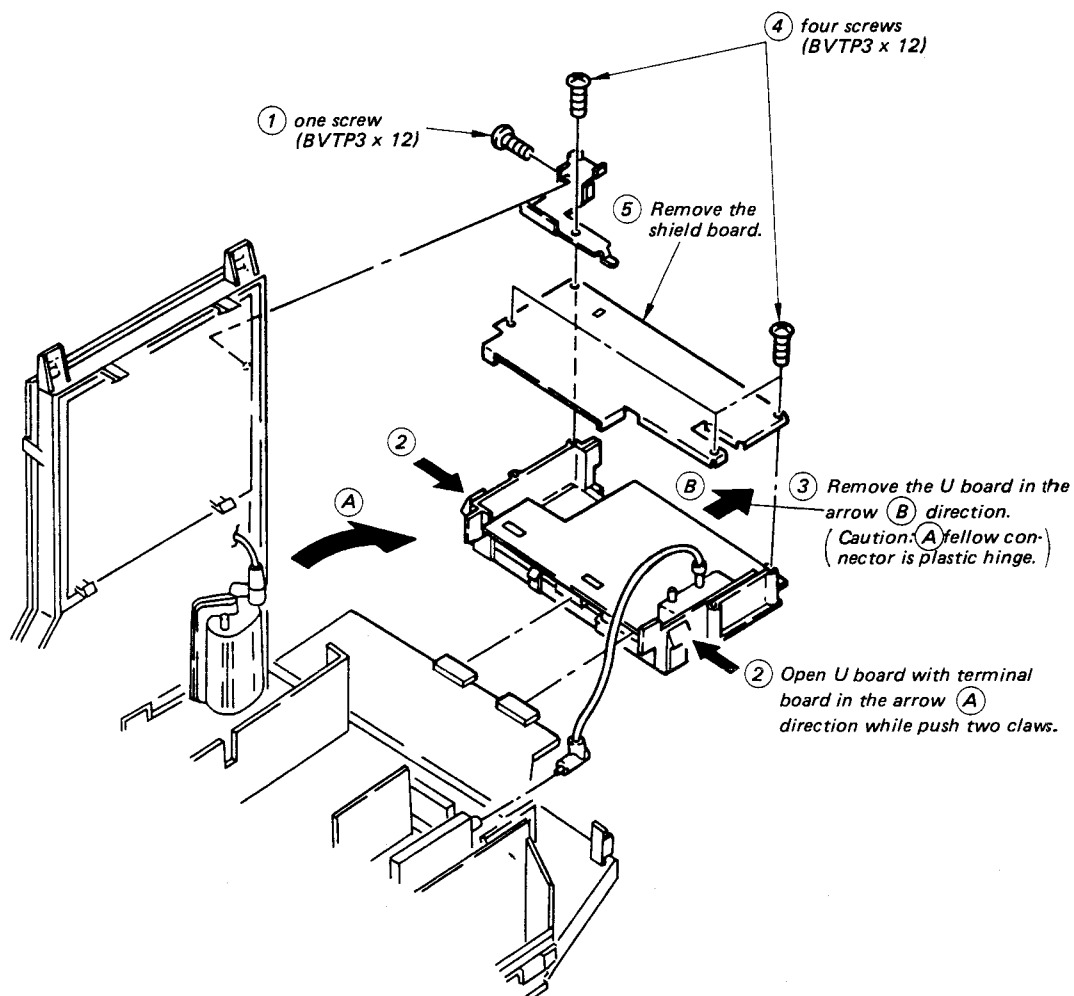
2-1. REAR COVER REMOVAL



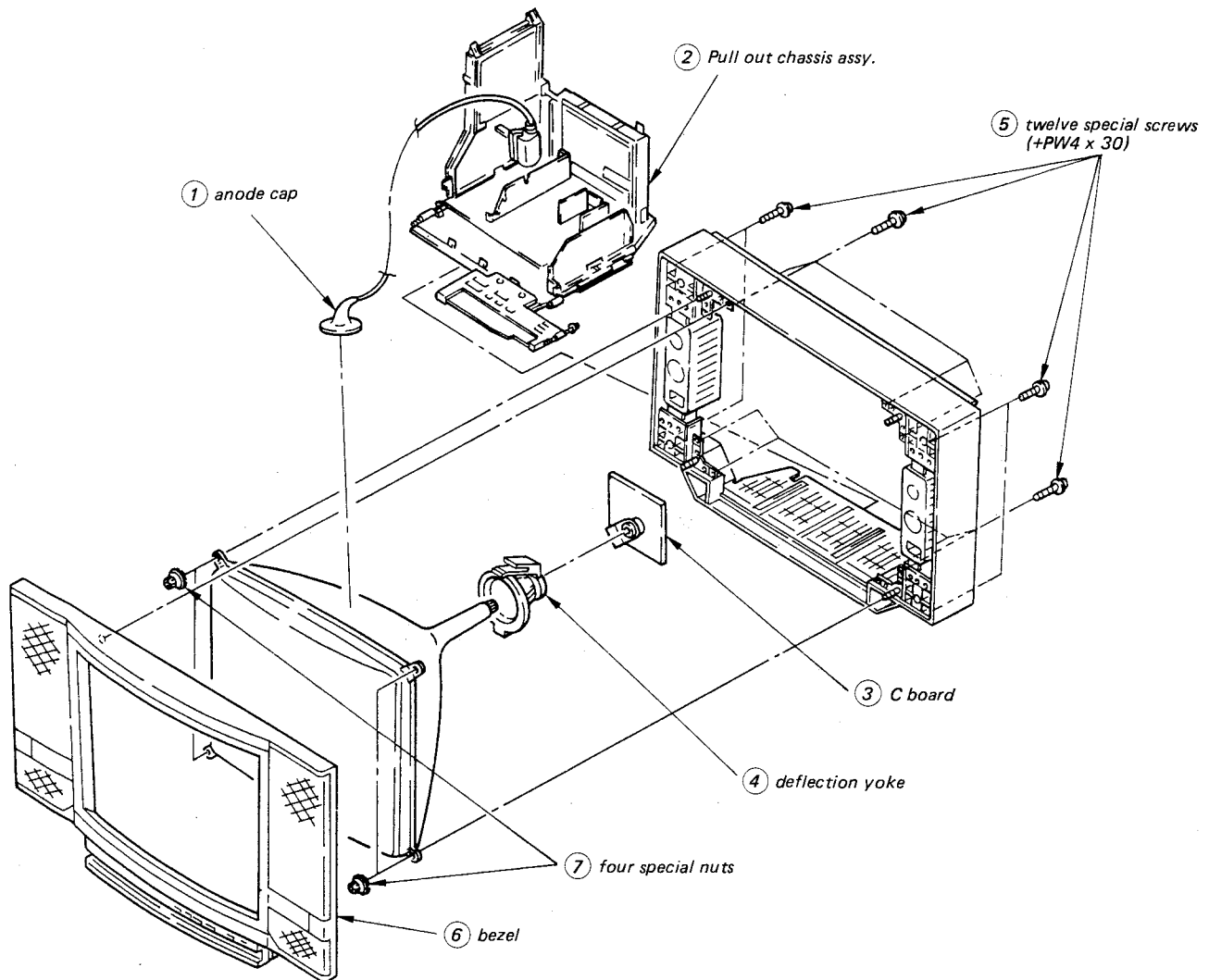
2-2. SERVICE POSITION



2.3. U BOARD REMOVAL



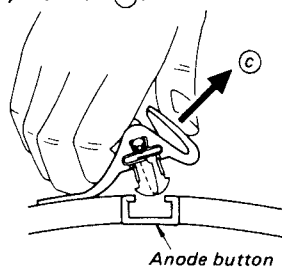
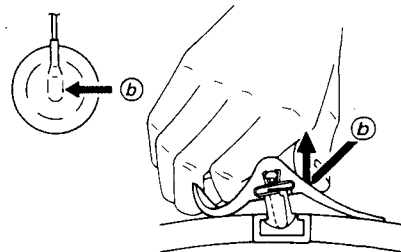
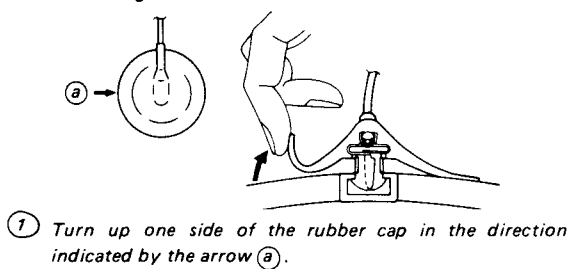
2-4. PICTURE TUBE REMOVAL



2-5. REMOVAL OF ANODE CAP

ANODE CAP REMOVAL

• Removing Procedures



SECTION 3

SET-UP ADJUSTMENTS

- The following adjustments should be made when a complete realignment is required or a new picture tube is installed.
- These adjustments should be performed with rated power supply voltage unless otherwise noted.

The control and switch below should be set as follows unless otherwise noted :

PICTURE control normal
BRIGHTNESS control normal

Perform the adjustments in order as follows :

1. Beam Landing
2. Convergence
3. Focus
4. White Balance

Note : Test Equipment Required.

1. Color Bar Pattern Generator
2. Degausser
3. DC Power Supply
4. Digital multimeter

Preparation :

- Set the side of the unit with the PICTURE TUBE so that it faces east or west in order to reduce the influence of external magnetic force.
- Turn the power switch for the unit ON and erase the magnetic force using a degausser.

3-1. BEAM LANDING

1. Input a raster signal with the pattern generator.
2. Loosen the deflection yoke mounting screw, and set the purity control to the center as shown in Fig. 2.
3. Turn the raster signal of the pattern generator to red.
4. Move the deflection yoke backward, and adjust with the purity control so that red is in the center and blue and green are at the sides, evenly. (Fig. 3.)
5. Move the deflection yoke forward, and adjust so that the entire screen becomes red. (Fig. 1.)
6. Switch over the raster signal to blue and green and confirm the condition.
7. When the position of the deflection yoke is determined, tighten it with a deflection yoke mounting screw.
8. When landing at the corners is not right, adjust by using the magnet. (Fig. 4.)

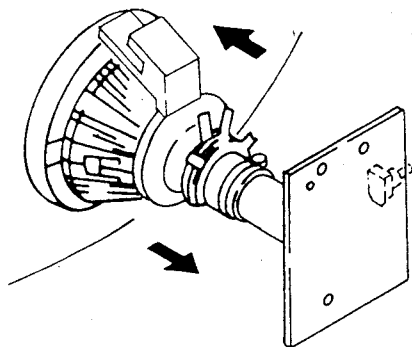


Fig. 1.

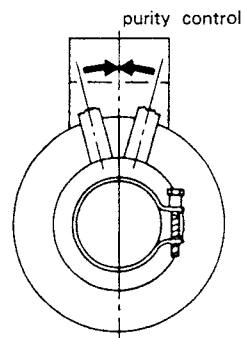


Fig. 2.

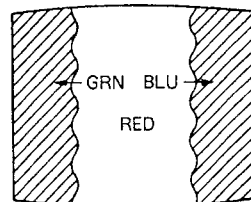


Fig. 3.

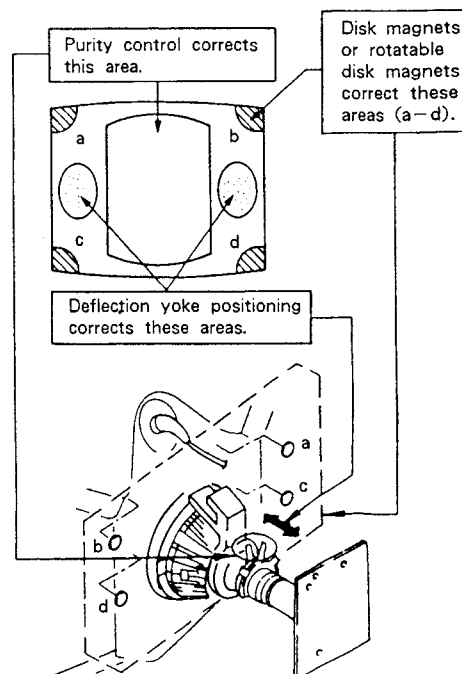


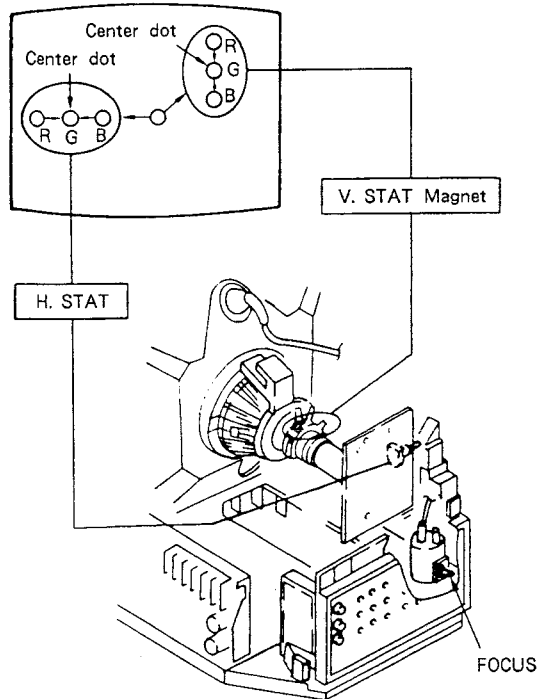
Fig. 4.

3-2. CONVERGENCE

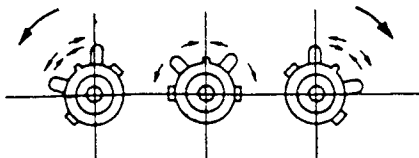
Preparation :

- Before starting, perform FOCUS, H. SIZE, V. LIN and V. SIZE adjustments.
- Set BRIGHTNESS control to minimum.
- Feed in the dot pattern.

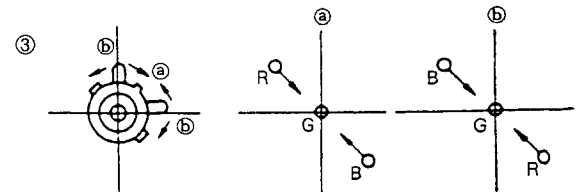
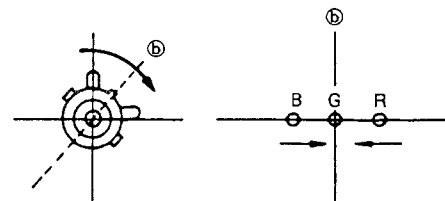
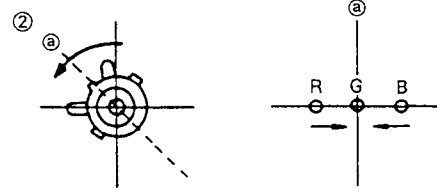
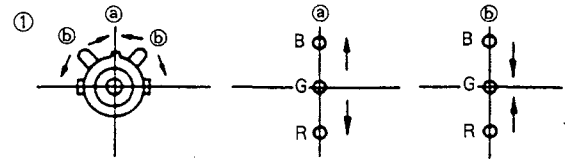
(1) Horizontal and Vertical Static Convergence



1. Adjust H. STAT VR to coincide red, green and blue dots on the center of screen. (Horizontal movement)
 2. Adjust V. STAT magnet to coincide red, green and blue dots on the center of screen. (Vertical movement)
 3. If the red, green and blue dots do not coincide on the center of screen with H. STAT VR, perform horizontal convergence adjustment using H. STAT VR and V. STAT magnet as shown below. (In this case, H. STAT VR and V. STAT magnet effect each other.)
- Tilt the V. STAT magnet and adjust static convergence to open or close the V. STAT magnet.



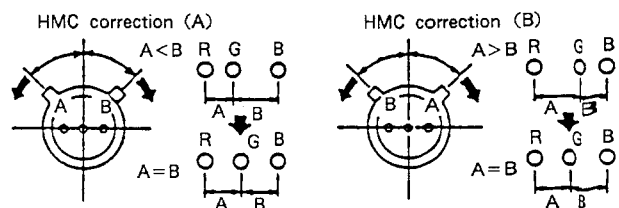
4. When the V. STAT magnet is moved in the direction of arrow ② and ③, red, green and blue dots move as shown below.



If the blue dot do not coincide with red and green dots, perform following steps.

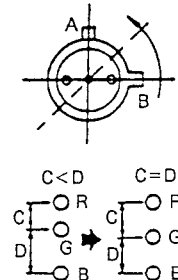
• HMC and VMC correction for BMC (Hexapole) Magnet

1. HMC (Horizontal, Mis, convergence) correction and motion of the Electron Beam with the BMC Magnet.

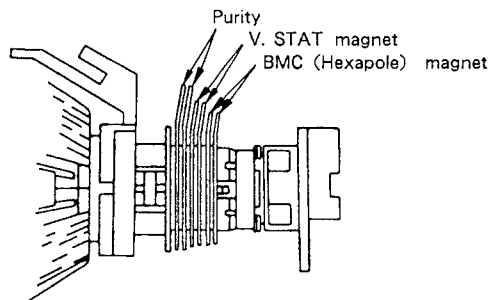
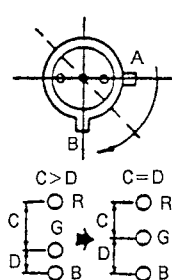


2. VMC (Vertical, Mis, convergence) correction and motion of the Electron Beam with the BMC Magnet.

VMC correction (A)



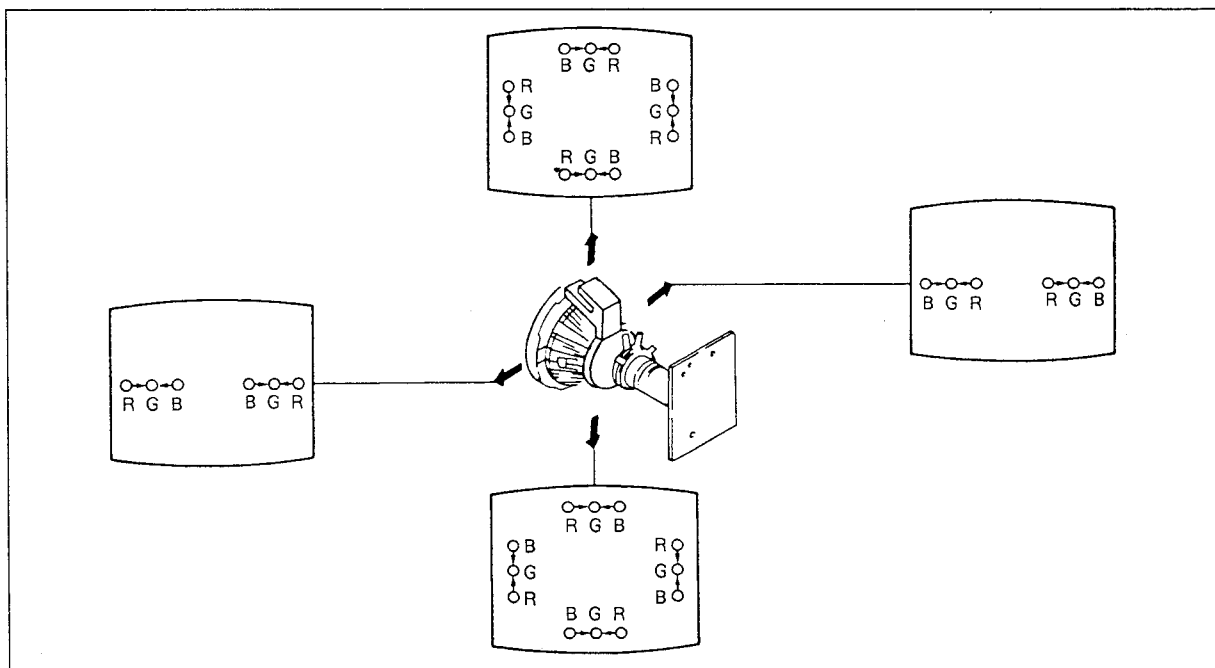
VMC correction (B)



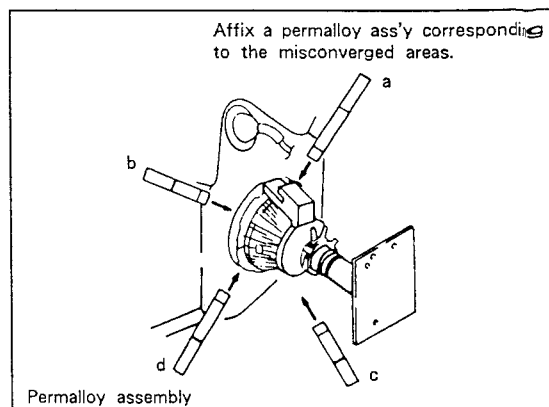
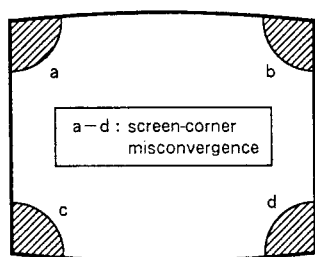
(2) Dynamic Convergence Adjustment

Preparation :

- Before starting, perform Horizontal and Vertical Static Convergence Adjustment.
1. Slightly loosen deflection yoke screw.
 2. Remove deflection yoke spacers.
 3. Move the deflection yoke for best convergence as shown below.
 4. Tighten the deflection yoke screw.
 5. Install the deflection yoke spacers.



(3) Screen-corner Convergence

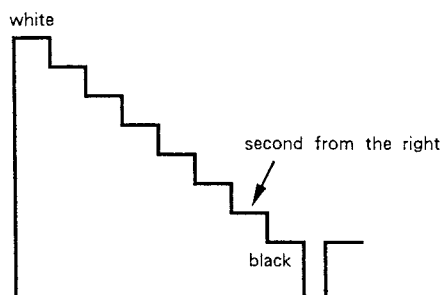


3-3. FOCUS

1. Tune in an off-air signal.
2. PICTURE → control to normal.
3. Adjust the focus VR on A board so that the focus at the center of the screen is optimum.
A magenta ring will appear if the focus is adjusted only in the center of the screen.
Adjust evenly throughout the entire screen.

3-4. G2, WHITE BALANCE ADJUSTMENTS (Using the remote commander)

1. CUT OFF (G2) ADJUSTMENT (RV701)
 - 1) Set the PICTURE and BRIGHT to normal.
 - 2) Confirm G1 voltage within 30.0 ± 5 V.
 - 3) Apply DC voltage of 180 V to the cathodes of R, G and B from DC stabilized power source.
 - 4) While watching the picture, adjust the G2 volume (RV701) immediately before the fly-back line disappears.
2. WHITE BALANCE ADJUSTMENT
 - 1) Set to service mode.
 - 2) Press VIDEO → RESET to normal.
 - 3) Receive an entire white signal.
 - 4) Set the PICTURE to minimum.
 - 5) Select S BRT with [1] and [4], and then set the level to minimum with [3] and [6].
 - 6) Select G CUT and B CUT with [1] and [4], and adjust the level with [3] and [6] for the best white balance.
 - 7) Set the PICTURE to maximum.
 - 8) Select G AMP and B AMP with [1] and [4], and adjust the level with [3] and [6] for the best white balance.
3. SUB BRIGHT ADJUSTMENT
 - 1) Set to service mode.
 - 2) Receive a stairs wave of black and white from the pattern generator.
 - 3) BRIGHT normal
PICTURE minimum
 - 4) Select S BRT with [1] and [4], and adjust SUB BRIGHT level with [3] and [6] so that the stripe second from the right is dimly lit.



SECTION 4

SAFETY RELATED ADJUSTMENT

☒ R567, CONFIRMATION METHOD (HOLD-DOWN CONFIRMATION) AND READJUSTMENTS

The following adjustments should always be performed when replacing the following components (marked with ☒ on the schematic diagram).

IC301, IC653, PM501, D539, C556, R556, R564, R567, R663, T500

1. Preparation before confirmation

- 1) Turn the POWER switch ON, and receive entirely white signals and set the PICTURE and BRIGHT controls to maximum.
- 2) Confirm that the voltage of the check terminal of pin ② of F-5 (F BOARD) is more than 127.0 V DC when the set is operating normally with 120.0 \pm 2.0 V AC supply.

2. Hold-down operation confirmation

- 1) Turn the POWER switch ON, and receive entirely white signals and adjust ABL current to 1620 \pm 50 μ A with PICTURE and BRIGHT etc controls.
- 2) Apply DC voltage of over 140.0 V gradually to the check terminal of pin ② of F-5 (F BOARD) via 1T40 from the DC stabilized power source. Confirm that the minimum voltage is less than 145.0 V DC whereby the raster disappears during operation of hold-down circuit.

NOTE: When the hold-down circuit starts operating, switch OFF the POWER of the set immediately.

- 3) Turn the POWER switch ON, and receive dot signals and adjust ABL current to 150 \pm 20 μ A with PICTURE and BRIGHT etc controls.
- 4) Apply DC voltage of over 140.0 V gradually to the check terminal of pin ② of F-5 (F BOARD) via 1T40 from the DC stabilized power source. Confirm that the minimum voltage is less than 145.0 V DC whereby the raster disappears during operation of hold-down circuit.

NOTE: When the hold-down circuit starts operating, switch OFF the POWER of the set immediately.

3. Hold-down readjustment

When step 2 is not satisfied, readjustment should be performed by altering the resistance value of R567 (a component marked with ☒).

☒ R549, CONFIRMATION METHOD (HOLD-DOWN CONFIRMATION) AND READJUSTMENTS

The following adjustments should always be performed when replacing the following components (marked with ☒ on the schematic diagram).

IC301, PM501, R549, R564

1. Preparation before confirmation

- 1) Remove R663 on the F board and connect a variable resistor (RV1: about 4.7 k Ω to 10 k Ω) between pin ① of IC653 and B+ line.
- 2) Supply 120 \pm 2.0 V AC to with variable auto-transformer.

2. Hold-down operation confirmation

- 1) Turn the POWER switch ON, and receive entirely white signals and adjust ABL current to 1620 \pm 50 μ A with PICTURE and BRIGHT etc controls.
- 2) Increase B+ line voltage gradually by adjusting the resistor of RV1. Confirm that the minimum voltage is less than 142.5 V DC whereby the raster disappears during operation of hold-down circuit.

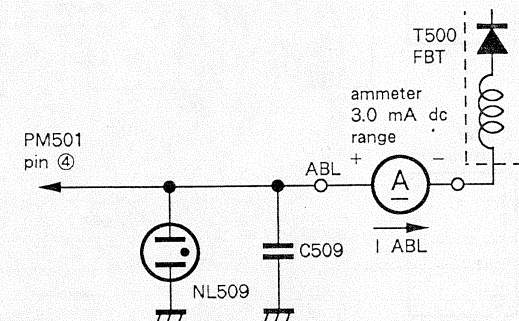
NOTE: When the hold-down circuit starts operating, switch OFF the POWER of the set immediately.

- 3) Turn the POWER switch ON, and receive dot signals and adjust ABL current to 150 \pm 20 μ A with PICTURE and BRIGHT etc controls.
- 4) Increase B+ line voltage gradually by adjusting the resistor of RV1. Confirm that the minimum voltage is less than 144.0 V DC whereby the raster disappears during operation of hold-down circuit.

NOTE: When the hold-down circuit starts operating, switch OFF the POWER of the set immediately.

3. Hold-down readjustment

When step 2 is not satisfied, readjustment should be performed by altering the resistance value of R549 (a component marked with ☒).



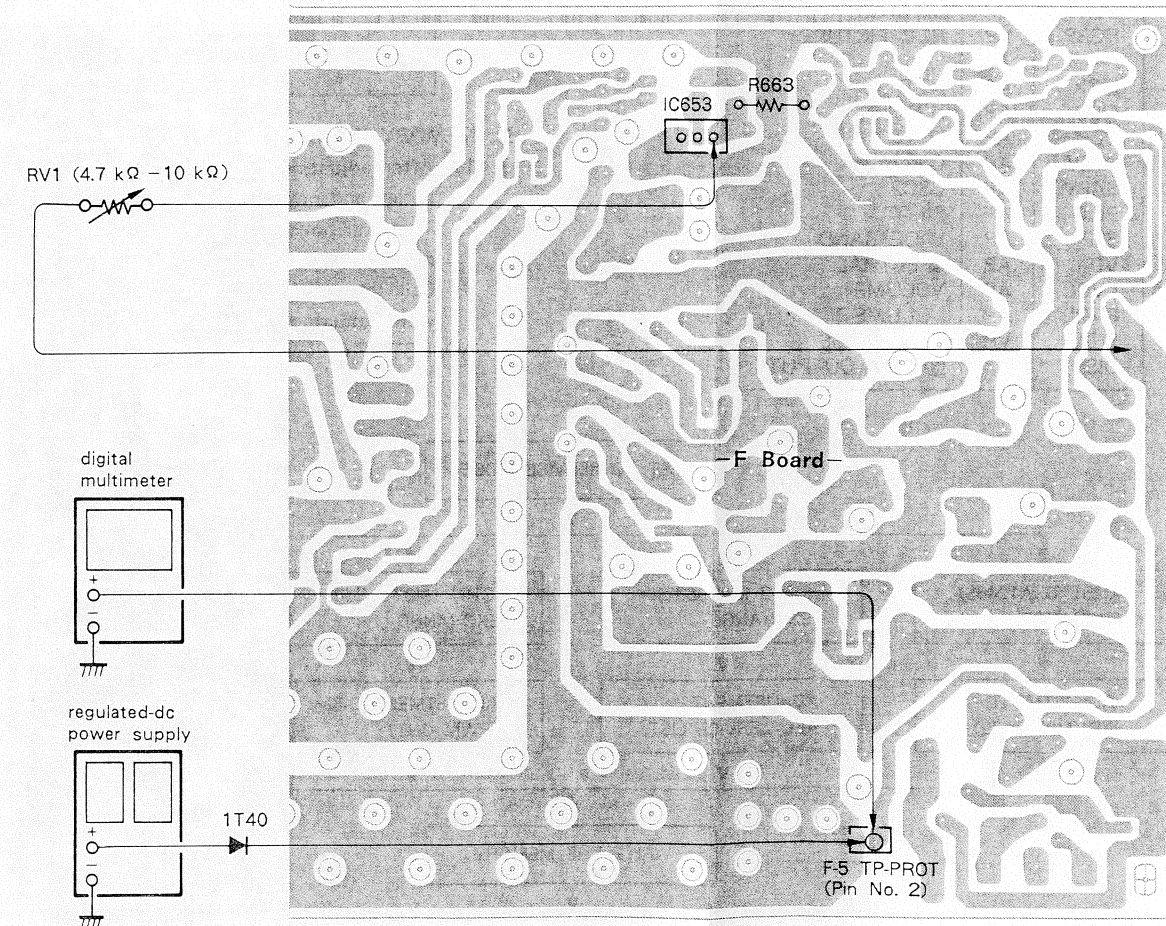
*Use a digital multimeter whose input impedance over 100 M Ω when confirming the voltage of the protector terminal.

B+ VOLTAGE CONFIRMATION

The following adjustments should always be performed when replacing IC653 and R663.

1. The B+ voltage confirmation

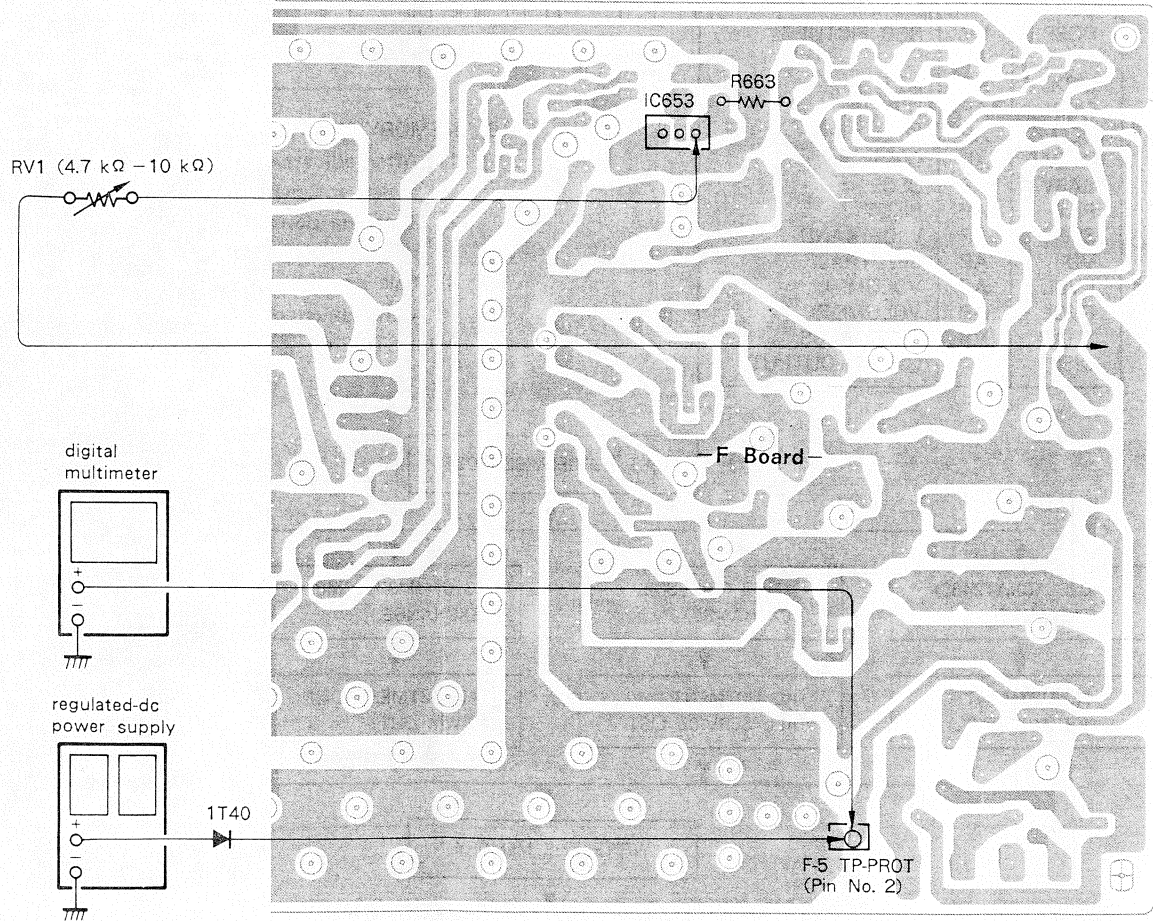
- 1) Supply 130 \pm 5 V AC to with variable auto-transformer.
- 2) Receive entirely monoscope signals.
- 3) Set the PICTURE control and the BRIGHT control into initial reset.
- 4) Confirm the voltage of TP91 is less than 137.0 V DC.
- 5) If step 4) is not satisfied, replace IC653 and R663 repeat above steps.



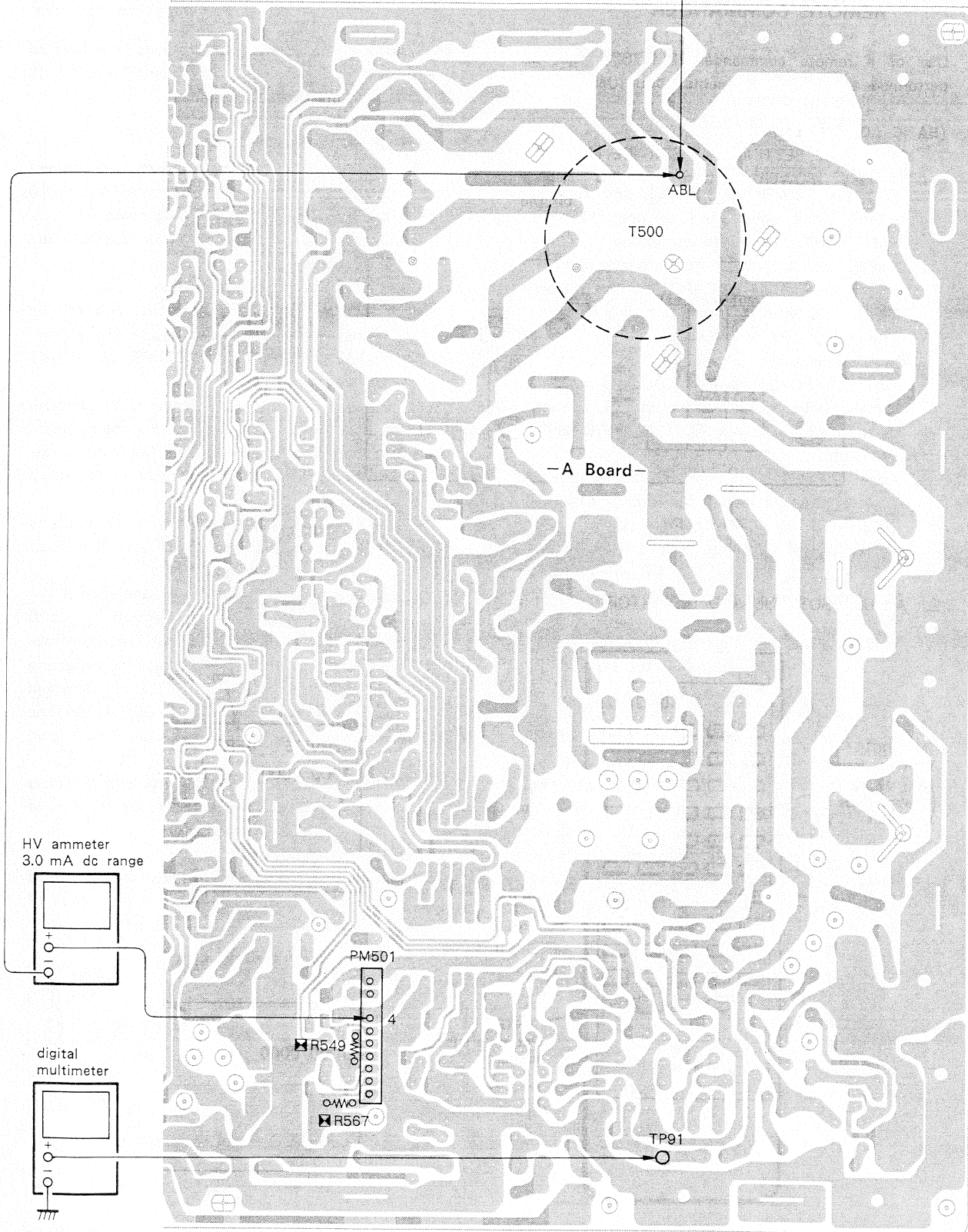
B+ VOLTAGE CONFIRMATION

The following adjustments should always be performed when replacing IC653 and R663.

1. The B+ voltage confirmation
 - 1) Supply 130 \pm 10 V AC to with variable auto-transformer.
 - 2) Receive entirely monoscope signals.
 - 3) Set the PICTURE control and the BRIGHT control into initial reset.
 - 4) Confirm the voltage of TP91 is less than 137.0 V DC.
 - 5) If step 4) is not satisfied, replace IC653 and R663 repeat above steps.



Disengage the ABL terminal of FBT from the foil by un-soldering and connect negative probe to the ABL pin of FBT.



SECTION 5
CIRCUIT ADJUSTMENTS

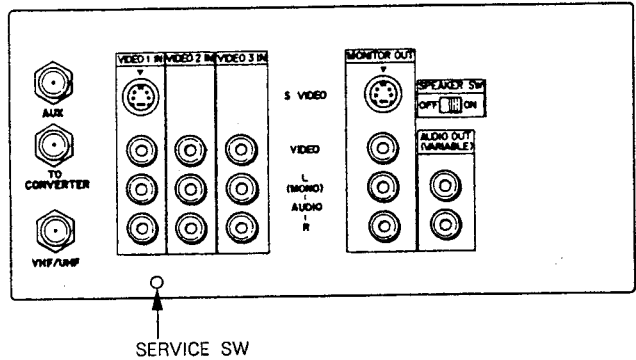
5-1. ELECTRICAL ADJUSTMENT BY
REMOTE COMMANDER

Use of a remote commander (RM-763) can be performed all circuit adjustments about this model.

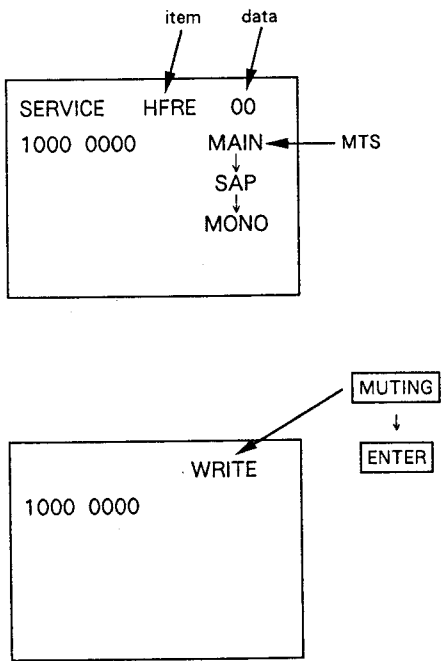
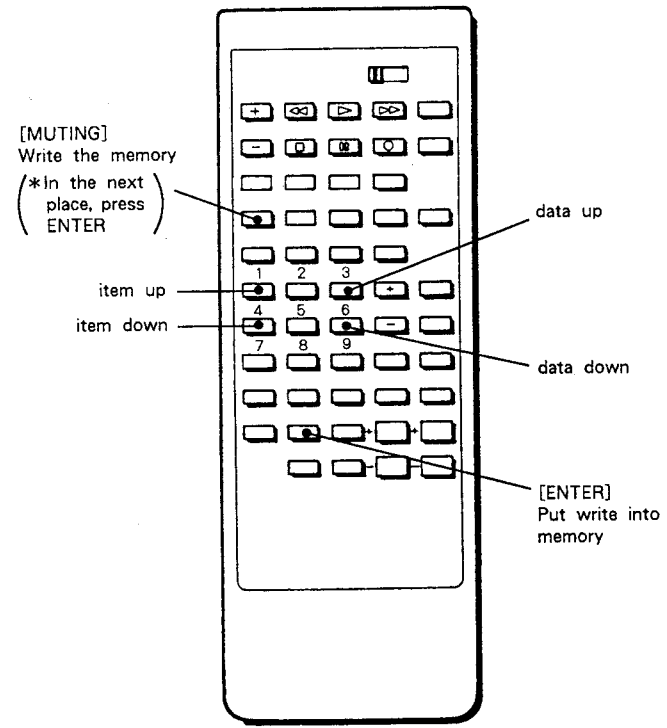
[BASIC ADJUSTMENTS]

1. METHOD OF SETTING THE SERVICE MODE

- 1) Press **POWER** button on the remote commander while pressing the switch on the rear of the set.



2. ADJUST BUTTONS AND INDICATOR



3. AN ITEM OF ADJUSTMENTS

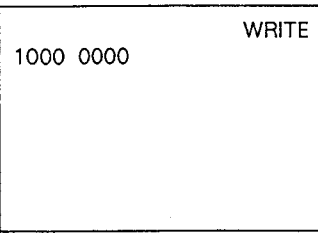
| ITEM | | NAME REGISTER |
|------|----|---------------|
| HFRE | VP | H-FREQUENCY |
| VFRE | VP | V-FREQUENCY |
| VPOS | VP | V-SHIFT |
| VSIZ | VP | V-SIZE |
| VLIN | VP | V-LINEARITY |
| VSCO | VP | S-CORRECTION |
| HPOS | VP | H-PHASE |
| HSIZ | VP | H-SIZE |
| PAMP | VP | PIN AMP. |
| CPIN | VP | CORNER PIN |
| PPHA | VP | PIN PHASE |
| VCOM | VP | V-COMP. |
| GAMP | VP | GREEN AMP. |
| BAMP | VP | BLUE AMP. |
| GCUT | VP | GREEN CUTOFF |
| BCUT | VP | BLUE CUTOFF |
| CROM | VP | CHROMA TRAP |
| SPIX | VP | PICTURE |
| SHUE | VP | HUE |
| SCOL | VP | COLOR |
| SBRT | VP | BRIGHT |
| RGBP | VP | RGB PICTURE |
| MPX | AP | ATT |
| FILO | AP | I1 |
| DEEM | AP | I2 |
| STEV | AP | OSC1 |
| SAPV | AP | OSC2 |
| PILO | AP | PILOT |
| SEP | AP | WIDE BAND |
| VD | AP | SPECTRAL |
| LVOL | AP | VOLUME-L |
| RVOL | AP | VOLUME-R |
| SHAR | AP | SHARPNESS |
| DISP | VP | ③PWM OUTPUT |

4. METHOD OF CANCELLATION FROM SERVICE MODE

Set to standby condition (Press **POWER** button on the commander). In the next place, press **POWER** button again, hereupon it becomes TV mode.

5. METHOD OF WRITE FOR MEMORY

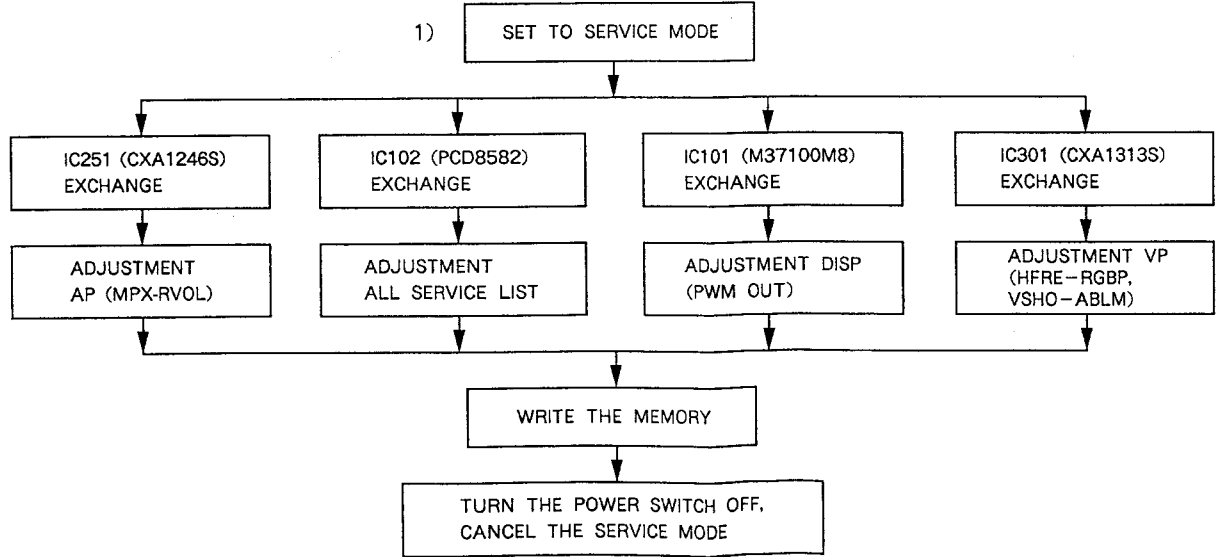
- 1) Set to service mode.
2) Press **1** (UP) and **4** (DOWN), select an item of adjustments.
3) Press **MUTING** button to indicate WRITE (RED) on screen.
4) Press **ENTER** button to write for memory. (At this time, WRITE (YELLOW) is indicated on screen.)



6. MEMORY WRITE CONFIRMATION METHOD

- 1) After adjustment, pull out the plug from AC outlet, and next place, plug in AC outlet again.
2) Turn the power switch ON and set to service mode.
3) Call the adjusted items again, confirm they were adjusted.

7. ADJUSTMENT WHEN REPLACING IC



NOTE: If service mode is canceled before write for memory, the adjustment data is not recorded. Please write for memory certainly after adjustment.

3. AN ITEM OF ADJUSTMENTS

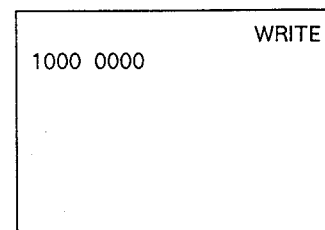
| ITEM | NAME REGISTER | |
|------|---------------|--------------|
| HFRE | VP | H-FREQUENCY |
| VFRE | VP | V-FREQUENCY |
| VPOS | VP | V-SHIFT |
| VSIZ | VP | V-SIZE |
| VLIN | VP | V-LINEARITY |
| VSCO | VP | S-CORRECTION |
| HPOS | VP | H-PHASE |
| HSIZ | VP | H-SIZE |
| PAMP | VP | PIN AMP. |
| CPIN | VP | CORNER PIN |
| PPHA | VP | PIN PHASE |
| VCOM | VP | V-COMP. |
| GAMP | VP | GREEN AMP. |
| BAMP | VP | BLUE AMP. |
| GCUT | VP | GREEN CUTOFF |
| BCUT | VP | BLUE CUTOFF |
| CROM | VP | CHROMA TRAP |
| SPIX | VP | PICTURE |
| SHUE | VP | HUE |
| SCOL | VP | COLOR |
| SBRT | VP | BRIGHT |
| RGBP | VP | RGB PICTURE |
| MPX | AP | ATT |
| FILO | AP | I1 |
| DEEM | AP | I2 |
| STEV | AP | OSC1 |
| SAPV | AP | OSC2 |
| PILO | AP | PILOT |
| SEP | AP | WIDE BAND |
| VD | AP | SPECTRAL |
| LVOL | AP | VOLUME-L |
| RVOL | AP | VOLUME-R |
| SHAR | AP | SHARPNESS |
| DISP | VP | ③PWM OUTPUT |

4. METHOD OF CANCELLATION FROM SERVICE MODE

Set to standby condition (Press **POWER** button on the commander). In the next place, press **POWER** button again, hereupon it becomes TV mode.

5. METHOD OF WRITE FOR MEMORY

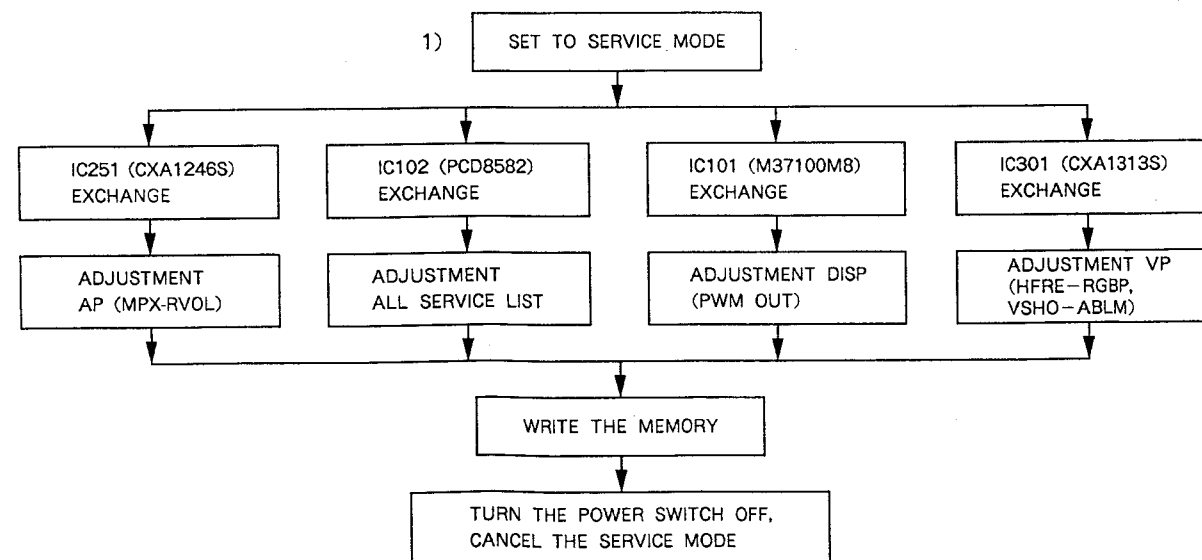
- 1) Set to service mode.
- 2) Press **1** (UP) and **4** (DOWN), select an item of adjustments.
- 3) Press **MUTING** button to indicate WRITE (RED) on screen.
- 4) Press **ENTER** button to write for memory. (At this time, WRITE (YELLOW) is indicated on screen.)



6. MEMORY WRITE CONFIRMATION METHOD

- 1) After adjustment, pull out the plug from AC outlet, and next place, plug in AC outlet again.
- 2) Turn the power switch ON and set to service mode.
- 3) Call the adjusted items again, confirm they were adjusted.

7. ADJUSTMENT WHEN REPLACING IC



NOTE: If service mode is canceled before write for memory, the adjustment data is not recorded.
Please write for memory certainly after adjustment.

- 2) The following first setting should always be performed when replacing the IC102 (PCD8582).

| ITEM | NAME REGISTER | | ADJUSTMENT |
|-------|---------------|---------|------------|
| VSMO | VP | VSMO | 0 |
| AFC | VP | AFC 1.0 | 0 |
| REF | VP | REF 1.0 | 2 |
| ROFF | VP | OFF NR | 1 |
| G OFF | VP | OFF NG | 1 |
| BOFF | VP | OFF NB | 1 |
| ABLM | VP | ABLM | 1 |
| TEST | AP | T | 0 |
| DRGB | VP | DRGB | 1 |

* Please write the memory each items by **MUTING** → **ENTER**.

5-2. CIRCUIT ADJUSTMENTS

RF AGC ADJUSTMENT (IF BLOCK VR)

- 1) Receive a color-bar signal.
- 2) Adjust AGC VR of IF201 so that snow noise and cross-modulation disappear from the picture.
- 3) Confirm them at every channel.

H. FREQUENCY ADJUSTMENT

- 1) Set to service mode.
- 2) Receive a color-bar signal.
- 3) Connect a frequency counter to base of Q502.
- 4) Call the item of AFC, set to 3 level (free run).
- 5) Select HFRE with **1** and **4**.
- 6) Adjust **3** and **6** to the 15,735 ±60 Hz level.
- 7) Call the item of AFC again, adjust the level "00".
- 8) Write the memory by **MUTING** → **ENTER**.

V. FREQUENCY ADJUSTMENT

- 1) Set to service mode.
- 2) Receive an off-air signal (VIDEO IN → no signal).
- 3) Connect the frequency counter across pin ⑥ of A-81 connector and ground.
- 4) Select VFRE with **1** and **4**.
- 5) Adjust **3** and **6** to 55 ±1 Hz.
- 6) Write the memory by **MUTING** → **ENTER**.

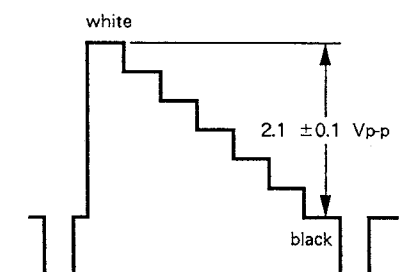
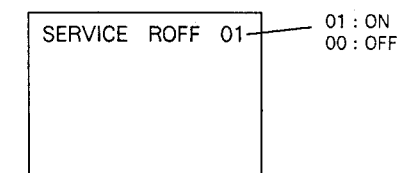
CHROMA TRAP ADJUSTMENT

- 1) Set to service mode.
- 2) Receive a color-bar signal.

- 3) Select NOTCH (VIDEO condition), turn "ON" by **+**. And then set the COLOR VR to maximum setting and SHARPNESS control to center.
- 4) Connect an oscilloscope to TP47R (R OUT) on C board.
- 5) Select C ROM with **1** and **4**, and then adjust 3.58 MHz (CHROMA) ingredient is minimum with **3** and **6**.
- 6) Write the memory by **MUTING** → **ENTER**.
- 7) Set NOTCH to OFF, and make normal condition with **VIDEO** → **RESET**.

SUB CONTRAST ADJUSTMENT

- 1) Set to service mode.
- 2) Receive a color-bar signal. (75 IRE)
- 3) PICTURE MAX
COLOR MIN
R OFF ON
G OFF OFF
B OFF OFF
Press **VIDEO** → **-** (L) (It becomes minimum).
Select **3** (ON) and **6** (OFF) with **1** and **4**.

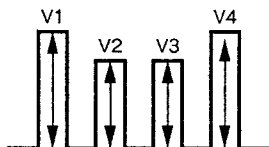


- 4) Connect an oscilloscope to TP47R (R OUT) on C board.
- 5) Adjust **3** and **6** to the 2.1 ±0.1 Vp-p level by select SPIX with **1** and **4**.
- 6) Write the memory by **MUTING** → **ENTER**.
- 7) Return normal after adjustment.
G OFF ON
B OFF ON
COLOR CENTER
PICTURE 80%

SUB HUE, SUB COLOR ADJUSTMENT

- 1) Receive a color-bar signal.
- 2) Press **VIDEO** → **RESET** to normal.

- 3) Set to service mode.
- 4) Connect an oscilloscope TP47B (B OUT) on C board.
- 5) Adjust [3] and [4] to become $V1=V4$ and $V2=V3$ by select to SHUE and SCOL with [1] and [4].



- 6) Write for memory by [MUTING] → [ENTER].

V. SIZE ADJUSTMENT

- 1) Set to service mode.
- 2) Receive a cross-hatch signal.
- 3) Adjust [3] and [6] to become best vertical size by select to VSIZ with [1] and [4].
- 4) Write for memory by [MUTING] → [ENTER].

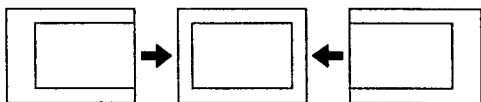
H. SIZE ADJUSTMENT

- 1) Receive a cross-hatch signal.
- 2) Press [VIDEO] → [RESET] to normal.
- 3) Set to service mode.
- 4) Adjust [3] and [6] to become best horizontal size by select to HSIZ with [1] and [4].
- 5) Write for memory by [MUTING] → [ENTER].

H. CENTER ADJUSTMENT

Note : Act this adjustment after H. FREQ adjustment.

- 1) Receive a cross-hatch signal.
- 2) Press [VIDEO] → [RESET] to normal.
- 3) Set to service mode.
- 4) Select to HPOS with [1] and [4].
- 5) Adjust [3] and [6] to become best picture.

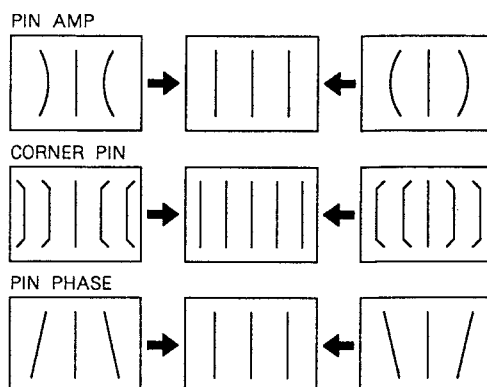


- 6) Write for memory by [MUTING] → [ENTER].

PIN AMP, CORNER PIN AND PIN PHASE ADJUSTMENT

- 1) Receive a cross-hatch signal.
- 2) Press [VIDEO] → [RESET] to normal.
- 3) Set to service mode.
- 4) Select to PAMP, CPIN and PPHA with [1] and [4].

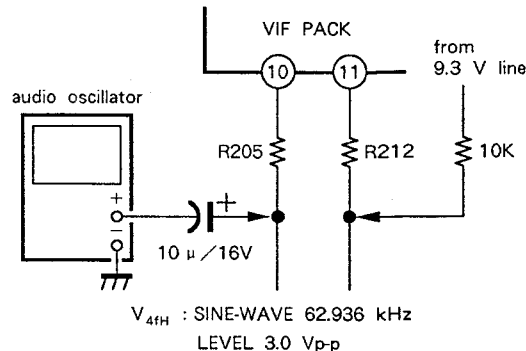
- 5) Adjust [3] and [6] to become best picture.



- 6) Write for memory by [MUTING] → [ENTER].

FILTER ADJUSTMENT

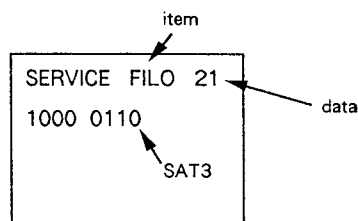
- 1) Set to service mode.
- 2) Select to TEST with [1] and [4], set the data to "1". Then select MPX and make data to "08".
- 3) Connect an audio oscillator to R205 via chemical capacitor (10 μ F/16 V) and apply frequency of V_{4fH} . And then, apply DC voltage to R212 via resistor of 10 k Ω from 9.3 V line.



- 4) make the data "00" by select to FILO with [1] and [4]. And then, send up the data gradually with press of [6], set the data to D1 before SAT3 changes 1 from 0.
- 5) Send up the data gradually, set the data to D2 when SAT3 changes 0 from 1.

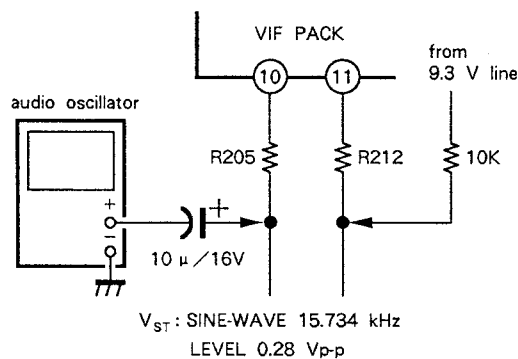
- 6) Adjust the data of FILO to $\frac{D1 + D2}{2}$

- 7) Write for memory by [MUTING] → [ENTER].

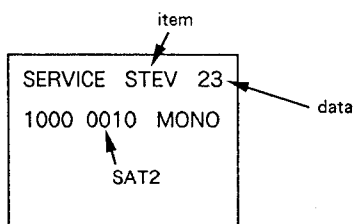


ST VCO ADJUSTMENT

- 1) Set to service mode.
- 2) Select to TEST with [1] and [4], set the data to "1". And then press [MTS] to MONO.
- 3) Select to MPX, set the data to "08".
- 4) Connect an audio oscillator to R205 via chemical capacitor (10 μ F/16 V) and apply frequency of V_{ST}. And then, apply DC voltage to R212 via register of 10 k Ω from 9.3 V line.



- 5) Select STEV with [1] and [4], set the data to "00" with [6]. And then, send up the data gradually, set the data D1 before SAT2 changes 0 from 1.
- 6) Send up the data gradually, set the data to D2 when SAT2 changes 1 from 0.
- 7) Adjust the data of STEV to $\frac{D1 + D2}{2}$
- 8) Write for memory by [MUTING] → [ENTER].



MPX IN LEVEL ADJUSTMENT

- 1) Set to service mode.
- 2) Select to TEST with [1] and [4], set the data to "0" with [6]. And then press [MTS] to MONO.
- 3) Select to MPX with [1] and [4], set the data to "08" with [3] and [6].
- 4) Write for memory by [MUTING] → [ENTER].

PILOT CANCEL ADJUSTMENT

- 1) Set to service mode.
- 2) Select to TEST with [1] and [4], set the data to "0" with [6]. And then press [MTS] to MAIN.
- 3) Select to PILO with [1] and [4], set the data to "08" with [3] and [6].
- 4) Write for memory by [MUTING] → [ENTER].

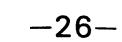
SAP VCO f₀ ADJUSTMENT

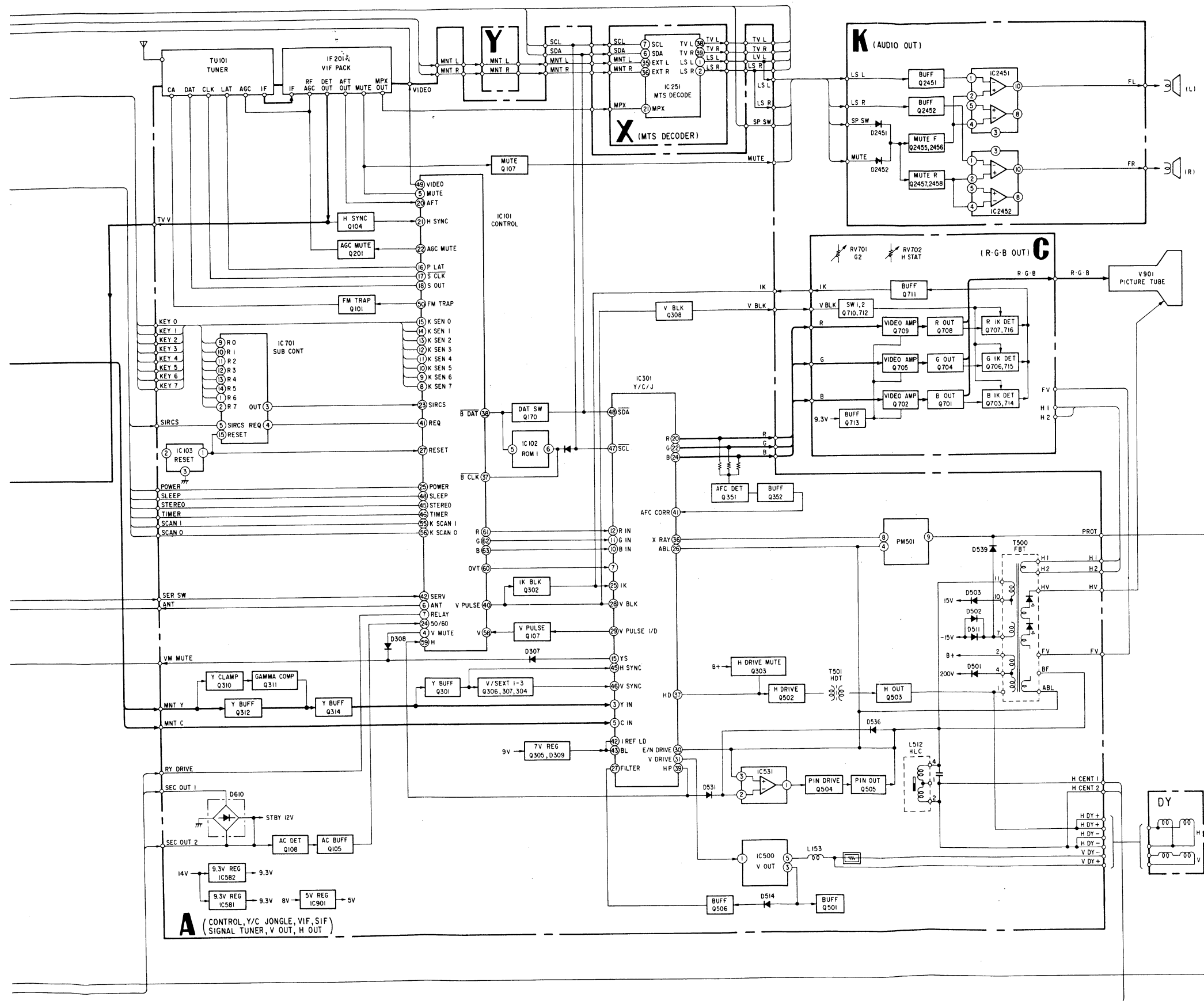
- 1) Set to service mode.
- 2) Receive a stereo broadcast including SAP.
- 3) Select to TEST with [1] and [4], set to the data to "0". And then, press [MTS] to MAIN.
- 4) Connect a digital multimeter to pin ① of A-23 connector and this voltage agree upon V1.
- 5) Press [MTS] to SAP and this voltage agree upon V2.
- 6) Select to SAPV with [1] and [4], adjust [3] and [6] to become V2=V1 \pm 0.03 V DC.
- 7) Write for memory by [MUTING] → [ENTER].

SEPARATION ADJUSTMENT

- 1) Set to service mode.
- 2) Press [MTS] to MAIN, and receive a monaural broadcast.
In the next place, receive a stereo broadcast.
- 3) Select to SEP and VD with [1] and [4], adjust [3] and [6] to become to obtain stereo effects.

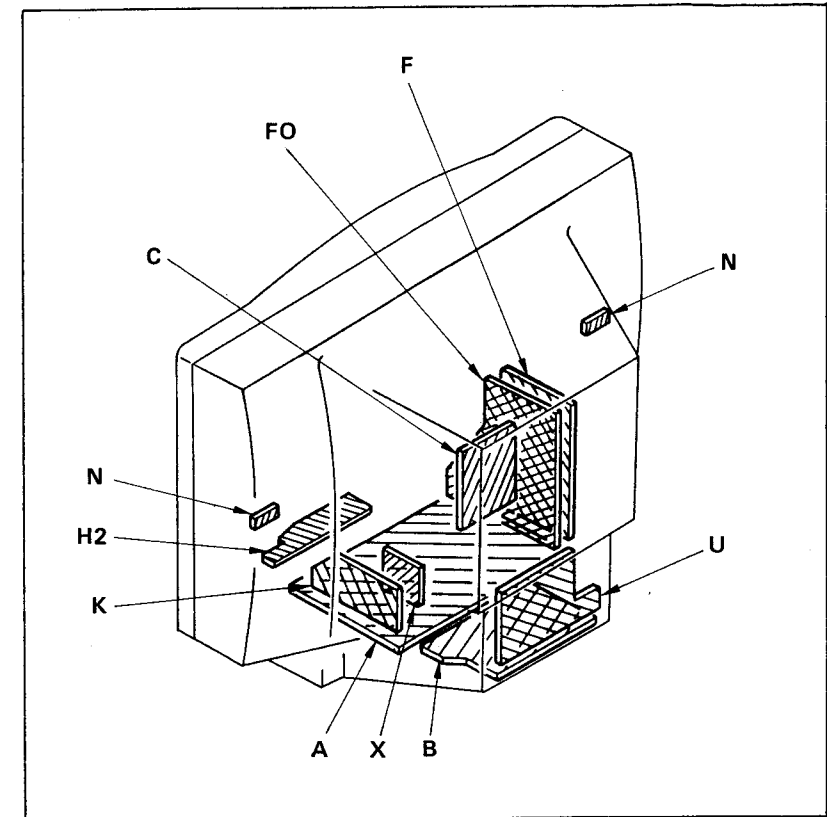
6-1. BLOCK DIAGRAM





MEMO

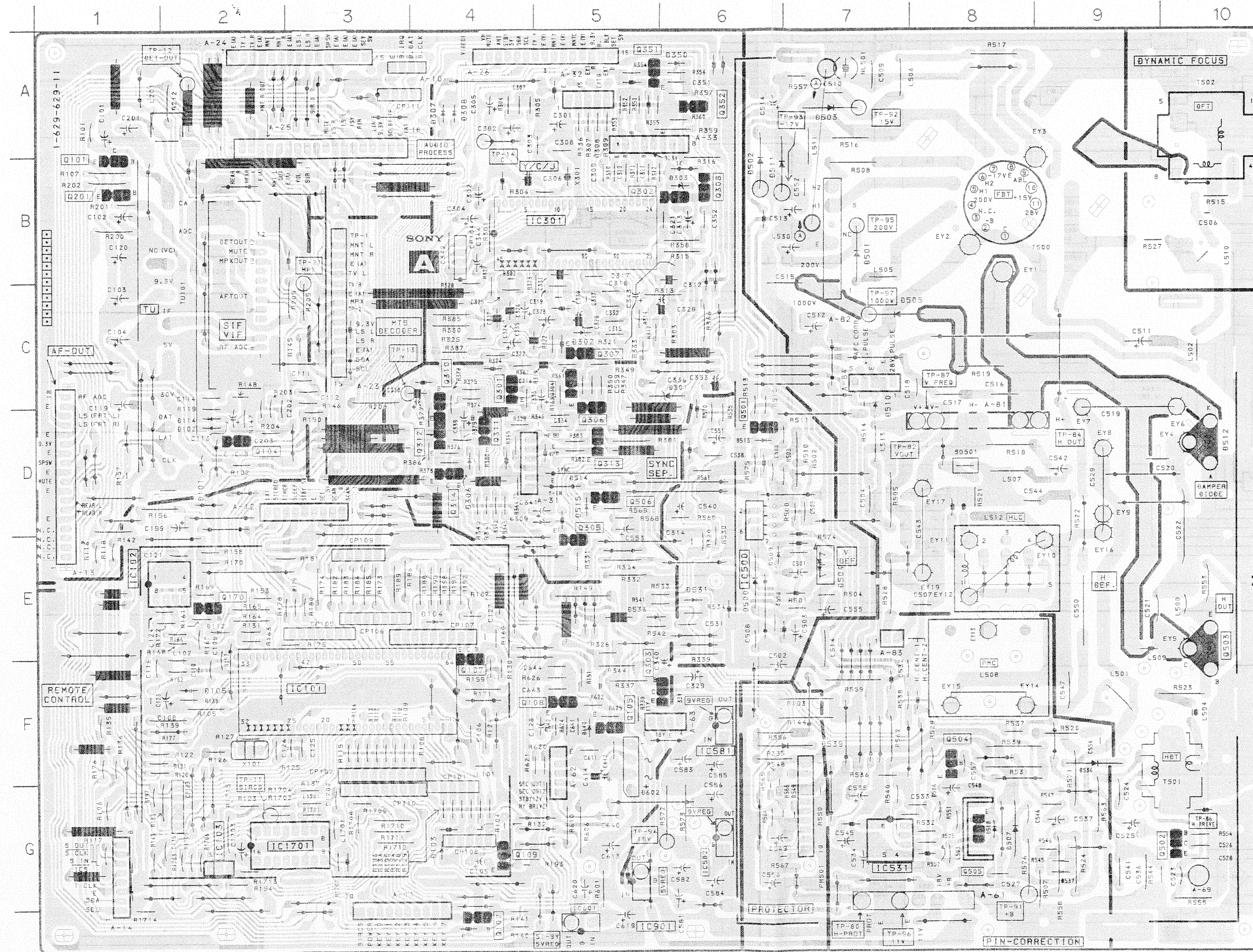
6-2. CIRCUIT BOARDS LOCATION



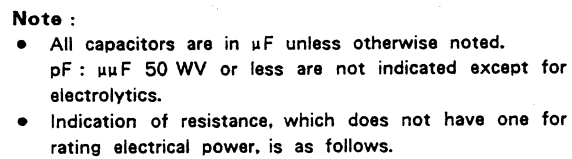
6.3. PRINTED WIRING BOARDS — Conductor Side —
— A Board —








A BOARD LOCATION




| IC | | TRANSISTOR | |
|--------|------|------------|------|
| IC101 | F-3 | Q101 | B-1 |
| IC102 | E-2 | Q102 | H-4 |
| IC103 | G-2 | Q104 | D-2 |
| IC301 | B-5 | Q105 | F-5 |
| IC500 | E-6 | Q107 | F-4 |
| IC531 | G-7 | Q108 | F-5 |
| IC581 | F-6 | Q170 | E-2 |
| IC582 | G-6 | Q201 | B-1 |
| IC601 | H-5 | Q301 | C-4 |
| IC901 | G-5 | Q302 | B-6 |
| IC1701 | G-3 | Q303 | F-6 |
| | | Q304 | C-5 |
| | | Q305 | E-5 |
| | | Q306 | D-5 |
| | | Q307 | C-5 |
| | | Q308 | B-6 |
| | | Q310 | C-4 |
| | | Q311 | D-4 |
| | | Q312 | D-4 |
| | | Q313 | D-5 |
| | | Q314 | D-4 |
| | | Q351 | A-6 |
| | | Q352 | A-6 |
| | | Q501 | D-6 |
| | | Q502 | G-10 |
| | | Q503 | F-10 |
| | | Q504 | F-8 |
| | | Q505 | G-8 |
| | | Q506 | D-5 |
| DIODE | | | |
| D101 | D-2 | | |
| D102 | D-2 | | |
| D103 | G-4 | | |
| D104 | E-4 | | |
| D105 | F-2 | | |
| D112 | E-2 | | |
| D114 | D-2 | | |
| D301 | C-6 | | |
| D302 | C-5 | | |
| D303 | B-6 | | |
| D304 | C-6 | | |
| D306 | D-4 | | |
| D307 | A-4 | | |
| D308 | A-4 | | |
| D309 | D-5 | | |
| D350 | A-6 | | |
| D500 | E-6 | | |
| D501 | B-7 | | |
| D502 | B-6 | | |
| D503 | A-7 | | |
| D504 | E-7 | | |
| D505 | C-7 | | |
| D506 | G-8 | | |
| D507 | G-8 | | |
| D508 | G-8 | | |
| D509 | E-7 | | |
| D511 | B-7 | | |
| D512 | D-10 | | |
| D513 | D-6 | | |
| D514 | D-5 | | |
| D515 | D-5 | | |
| D531 | E-6 | | |
| D533 | E-6 | | |
| D536 | F-9 | | |
| D537 | G-9 | | |
| D539 | F-7 | | |
| D602 | G-5 | | |
| D640 | F-5 | | |



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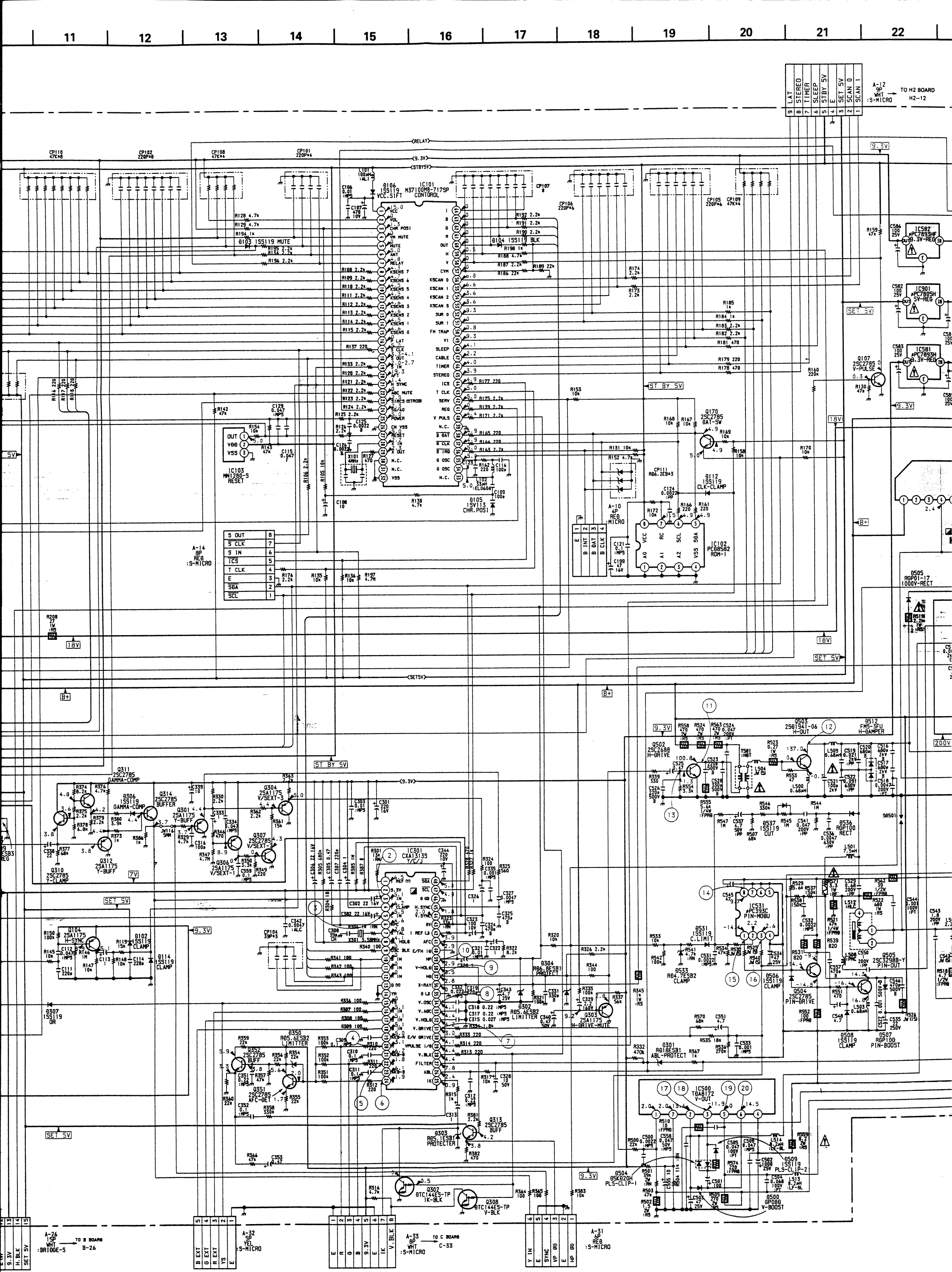
- All resistors are in ohms.
-  : nonflammable resistor.
-  : fusible resistor.
-  : internal component.
-  : panel designation, and adjustment for repair.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- The components identified by  in this basic schematic diagram have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.
- When replacing components identified by , make the necessary adjustments indicated. If results do not meet the specified value, change the component identified by  and repeat the adjustment until the specified value is achieved.
- When replacing the part in below table be sure to perform the related adjustment.

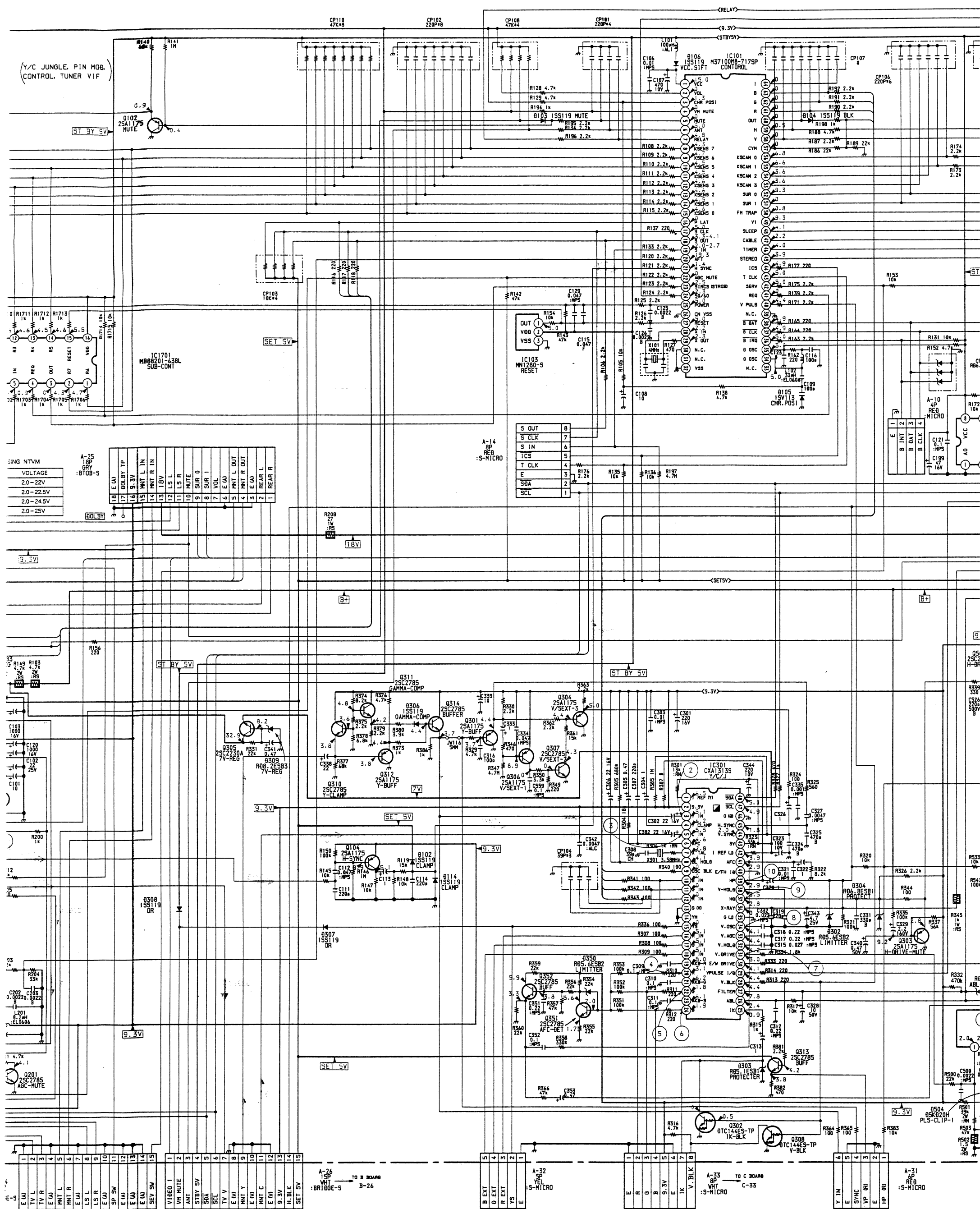
- All voltages are in V.
- Voltage are dc with respect to ground unless otherwise noted.
- Readings are taken with a 10 M Ω digital multimeter.
- Readings are taken with a color-bar signal input.
- Voltage variations may be noted due to normal production tolerance.
-  : B+ bus.
-  : B- bus.
-  : signal path.

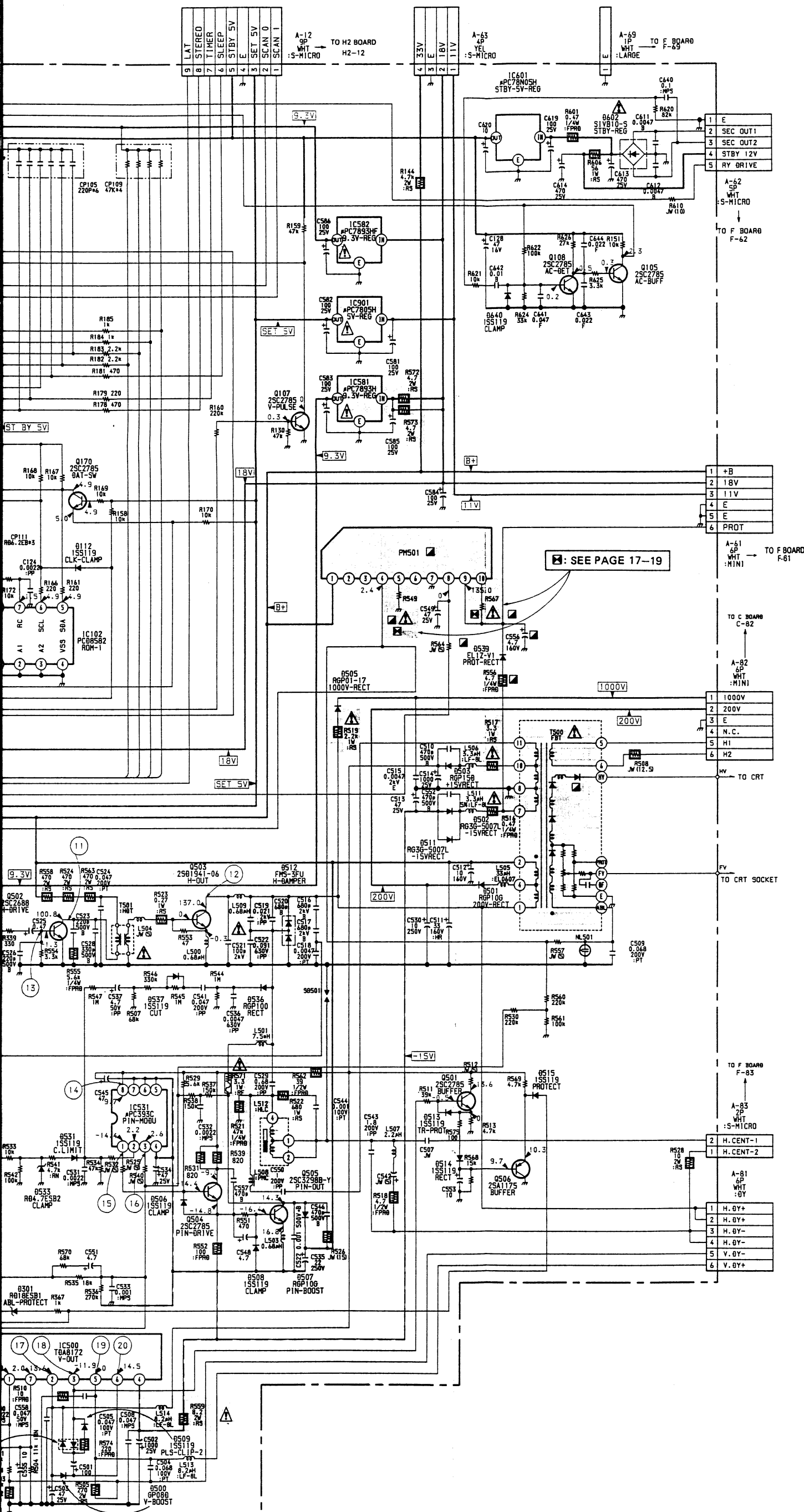
| | | |
|-----------|--------|--------------------------|
| RESISTOR | : RN | METAL FILM |
| | : RC | SOLID |
| | : FPRD | NONFLAMMABLE CARBON |
| | : FUSE | NONFLAMMABLE FUSIBLE |
| | : RW | NONFLAMMABLE WIREWOUND |
| | : RS | NONFLAMMABLE METAL OXIDE |
| | : RB | NONFLAMMABLE CEMENT |
| | COIL | : LF-8L |
| CAPACITOR | : TA | TANTALUM |
| | : PS | STYROL |
| | : PP | POLYPROPYLENE |
| | : PT | MYLAR |
| | : MPS | METALIZED POLYESTER |
| | : MPP | METALIZED POLYPROPYLENE |
| | : ALB | BIPOLAR |
| | : ALT | HIGH TEMPERATURE |
| | : ALR | HIGH RIPPLE |

Note: Les composants identifiés par un trame et une marque sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

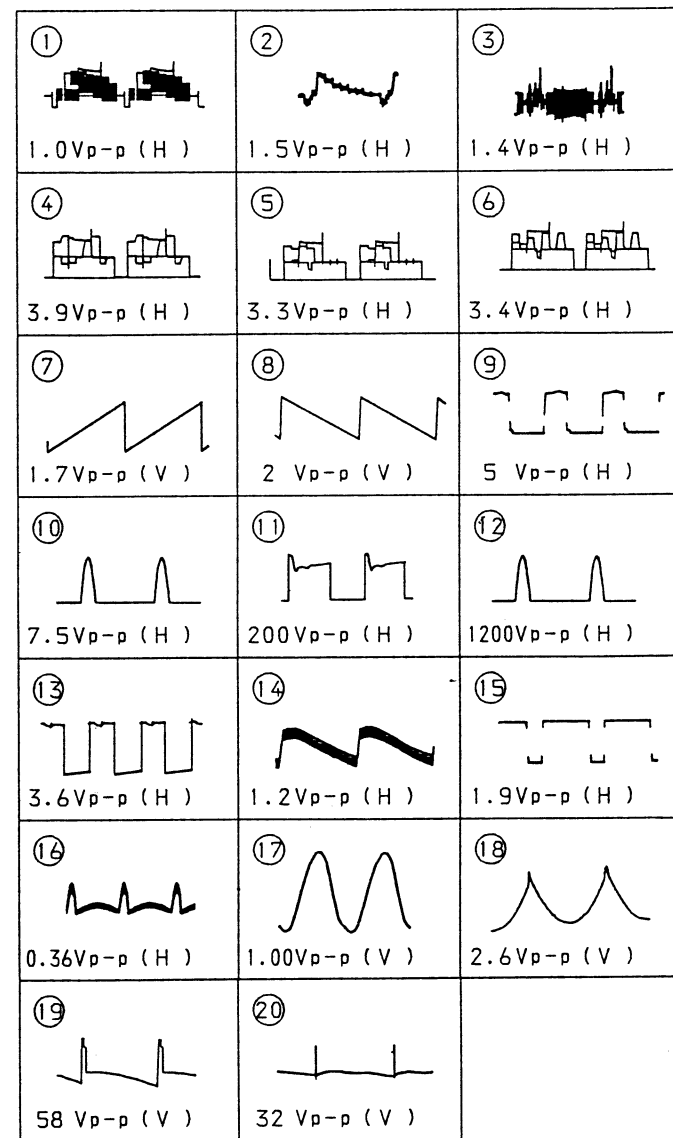




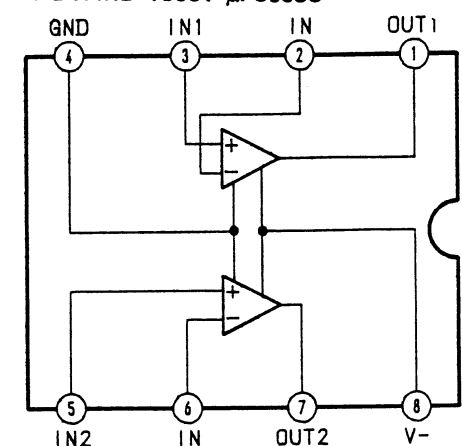


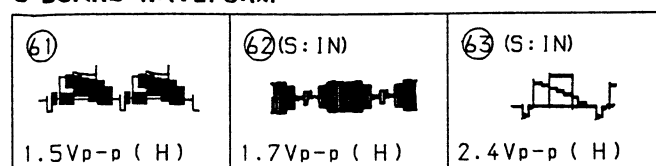


A BOARD WAVEFORM

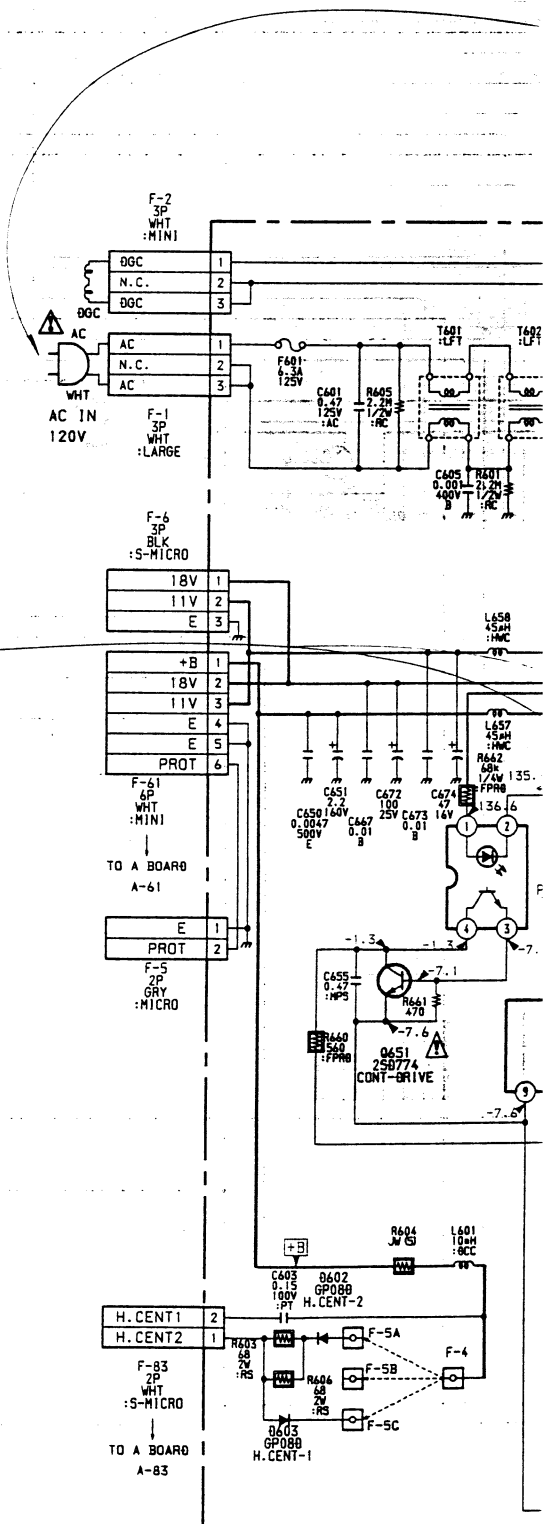
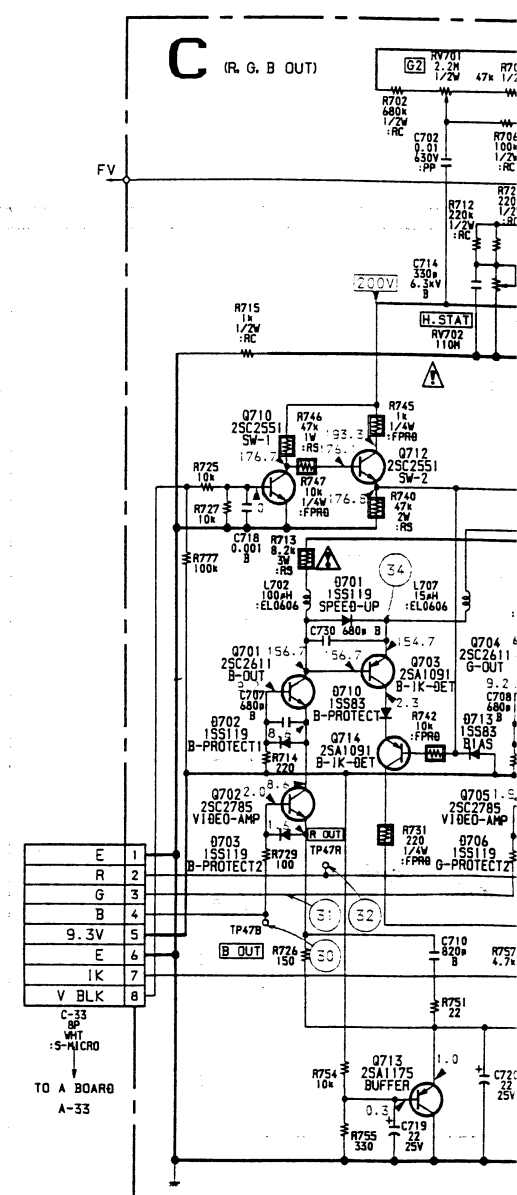


A BOARD IC531 μPC393C

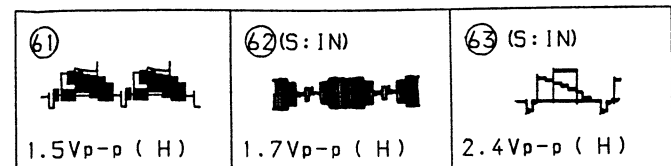




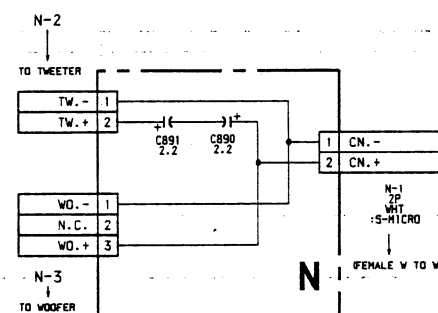
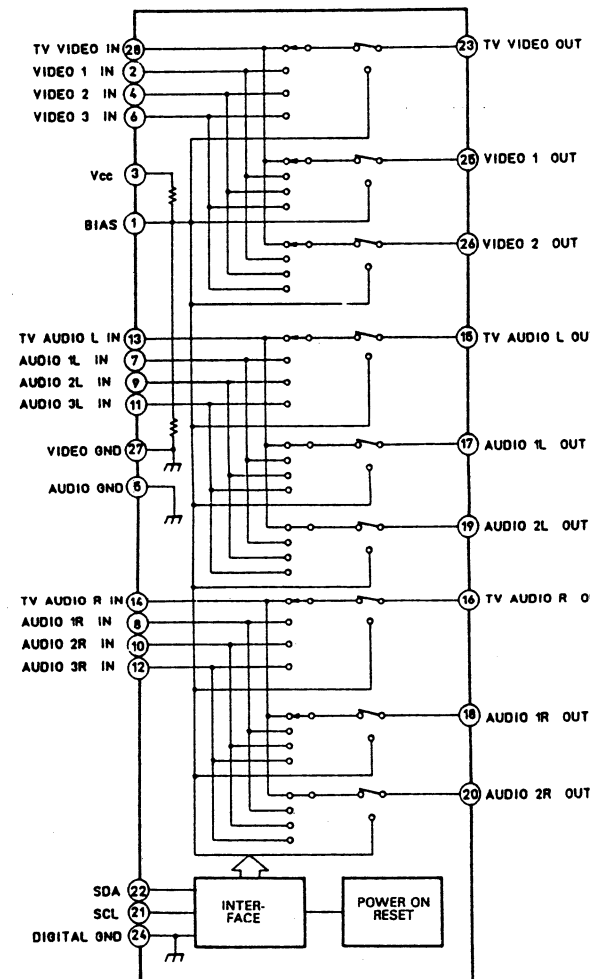
U BOARD IC444 CXA1114P



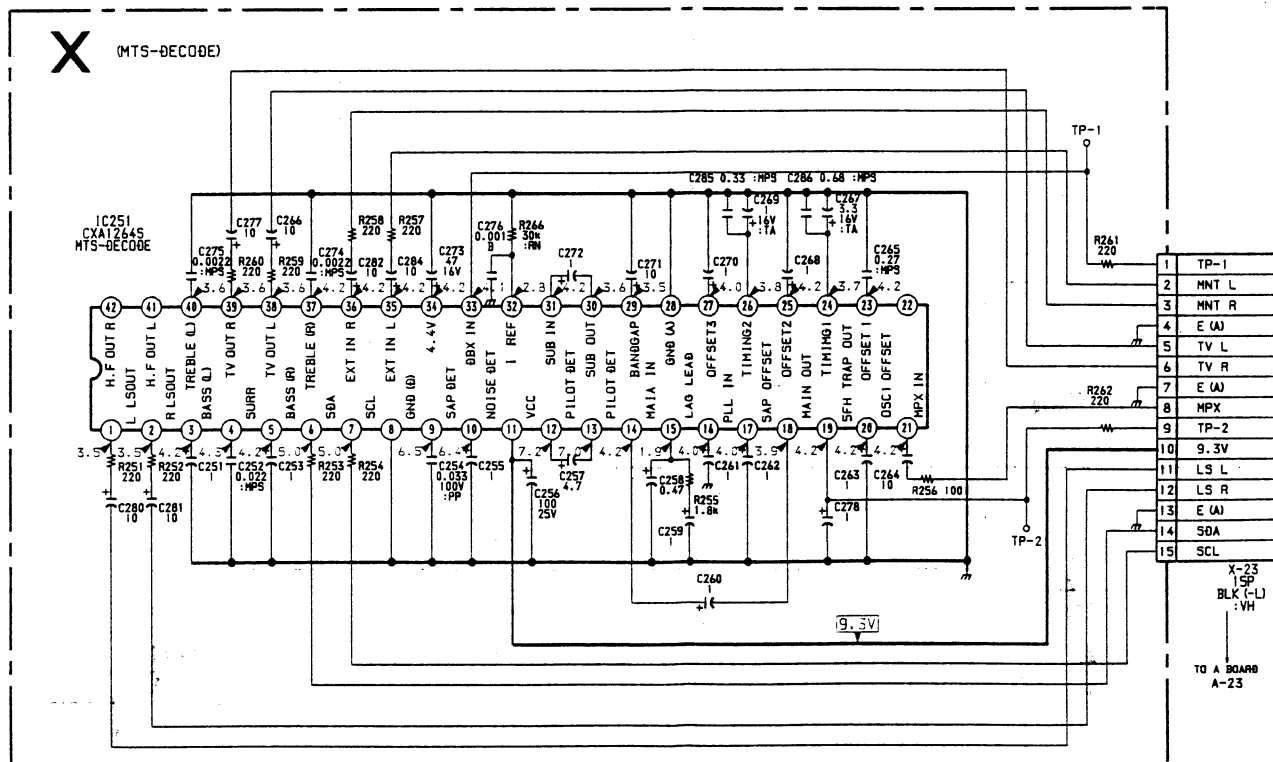
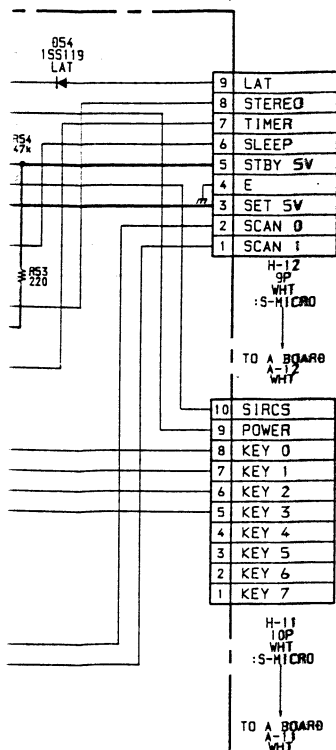
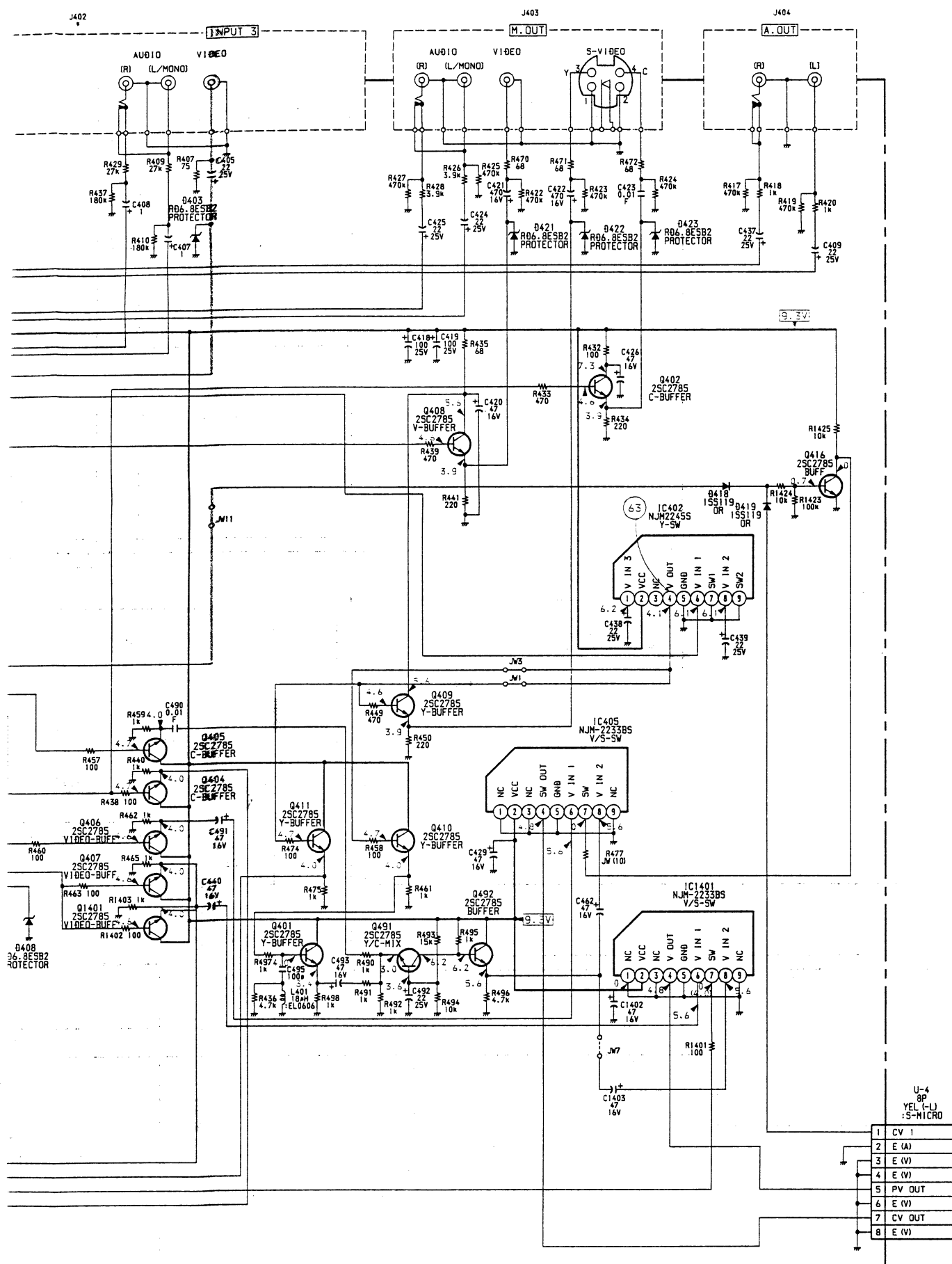
U BOARD WAVEFORM



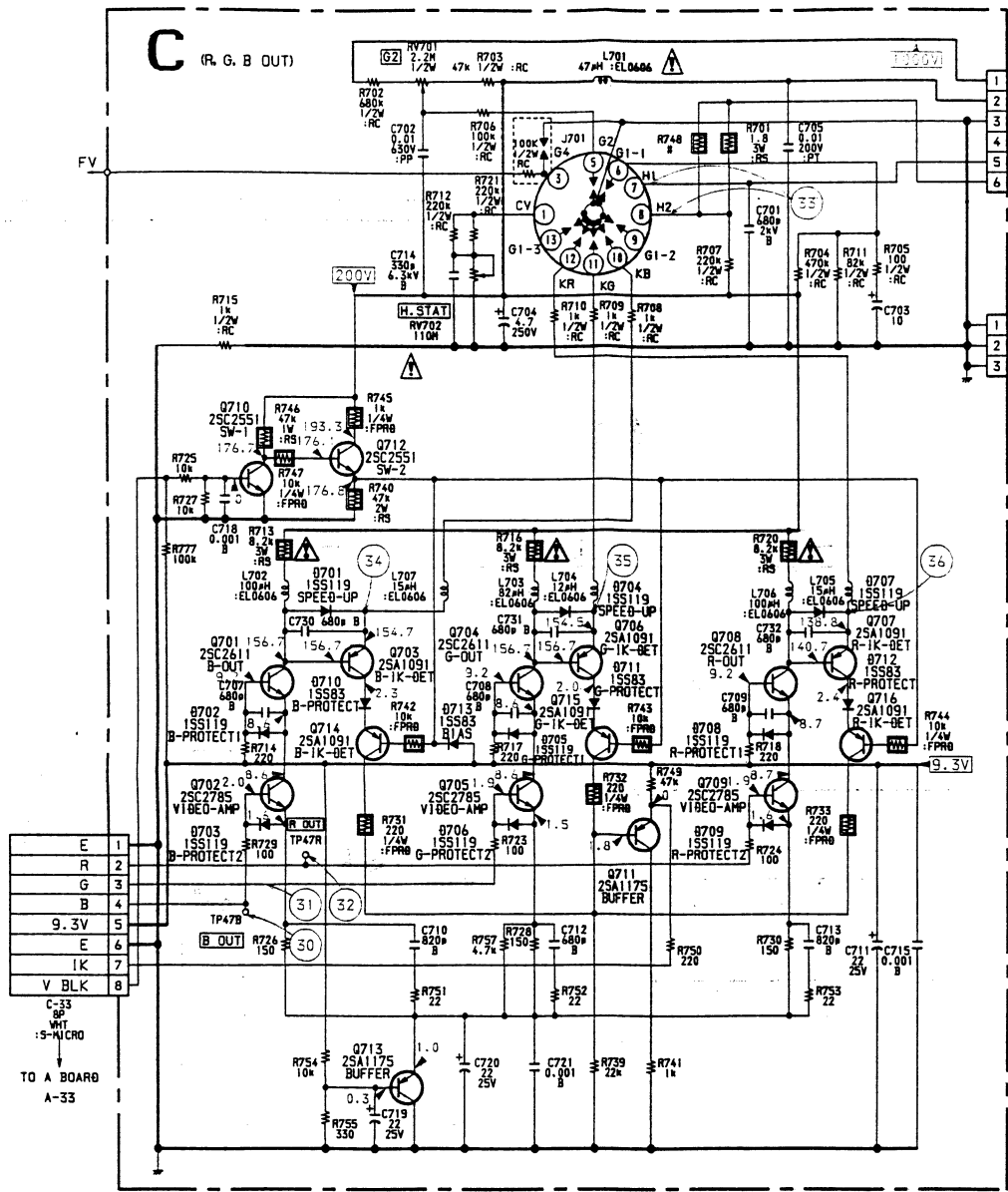
U BOARD IC444 CXA1114P



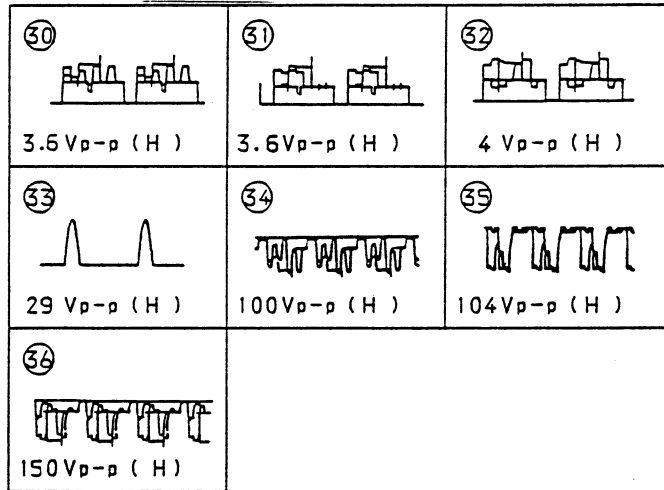
CAUTION
CONFIRM THAT THE VOLTAGE OF B+ MAIN
VOLTAGE IS WITHIN THE STANDARD VALUE
WHEN REPLACING IC653 AND R663.



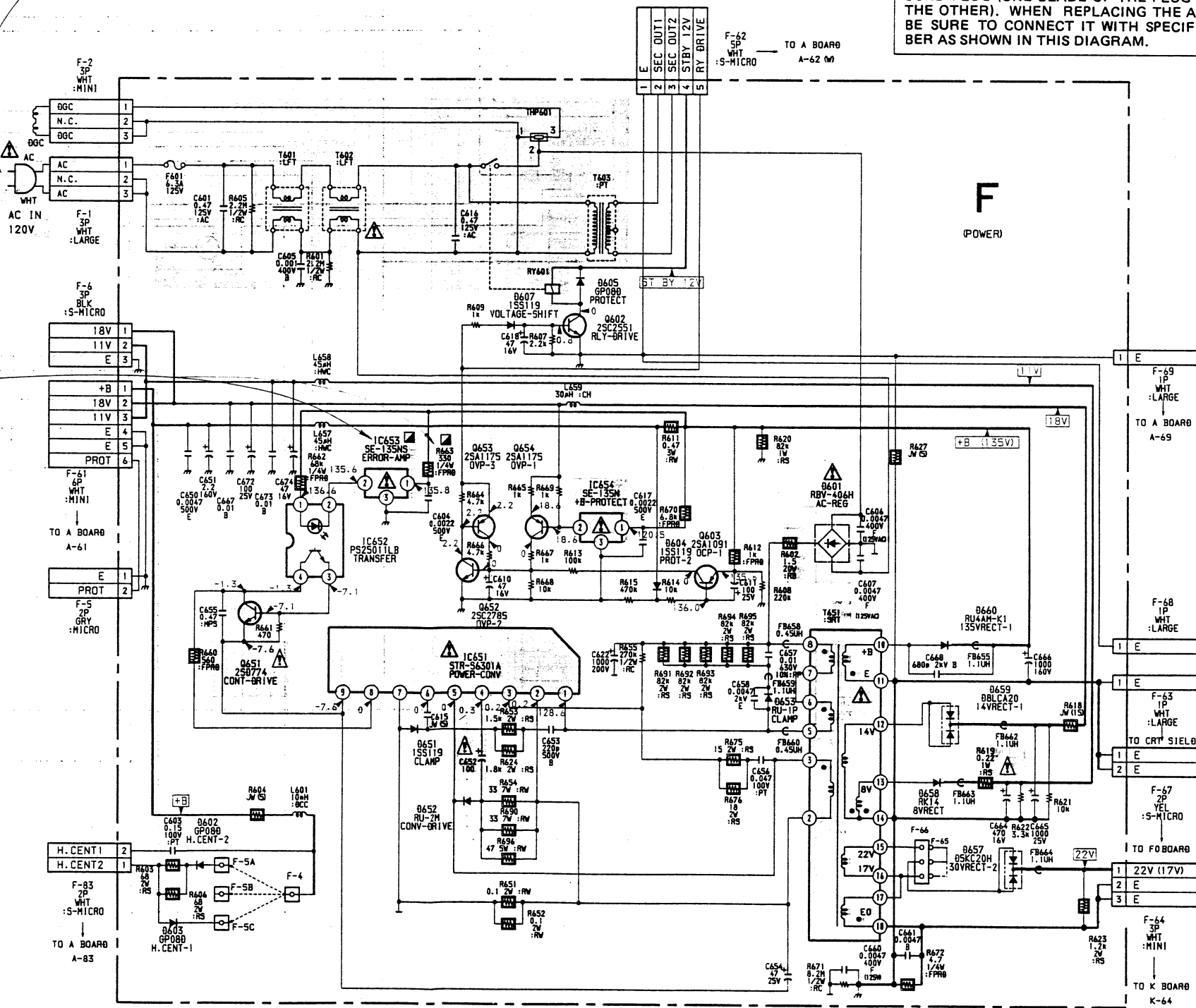
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C BOARD WAVEFORM



CAUTION
THIS SET IS EQUIPPED WITH A POLARIZED AC POWER
CORD PLUG (ONE BLADE OF THE PLUG IS WIDER THAN
THE OTHER). WHEN REPLACING THE AC POWER CORD,
BE SURE TO CONNECT IT WITH SPECIFIED PART NUM-
BER AS SHOWN IN THIS DIAGRAM.

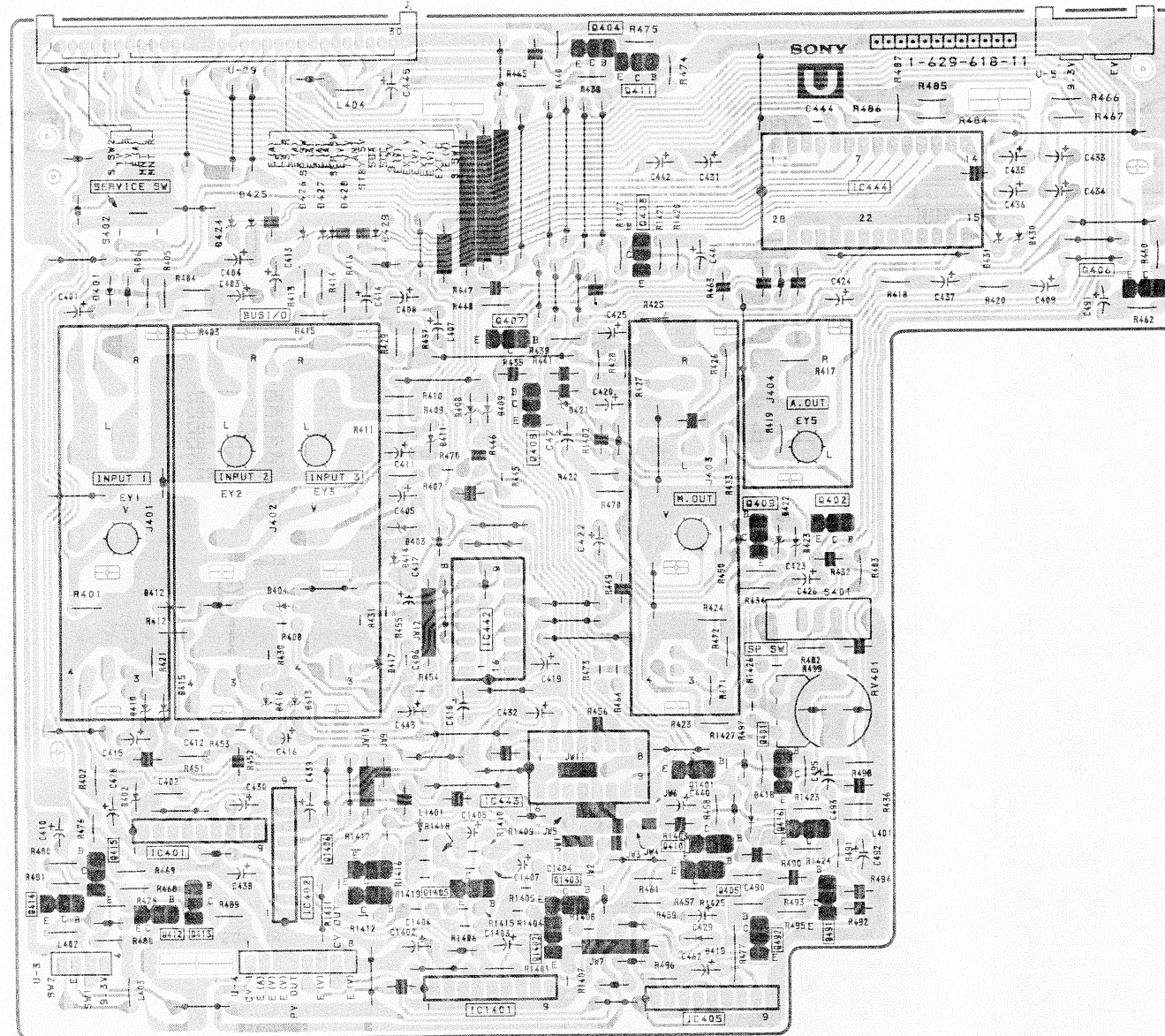


U [VIDEO SW, AUDIO SW,
Y/C SW, LOGIC]

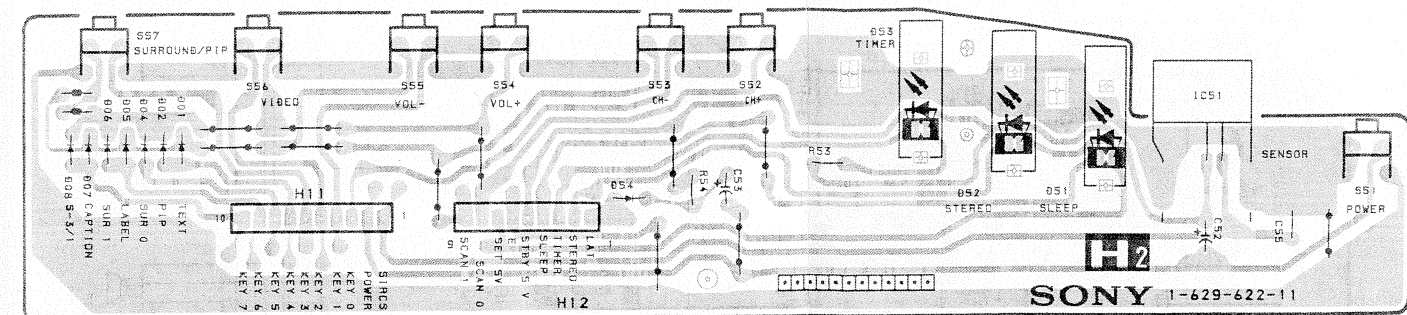
H2 [REMOCON
RECEIVER]

N

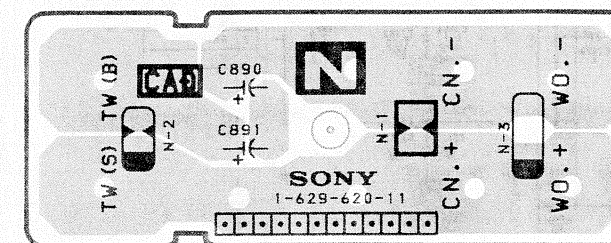
— U Board —



— H2 Board —



— N Board —

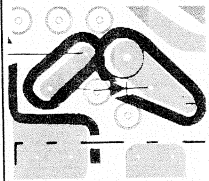
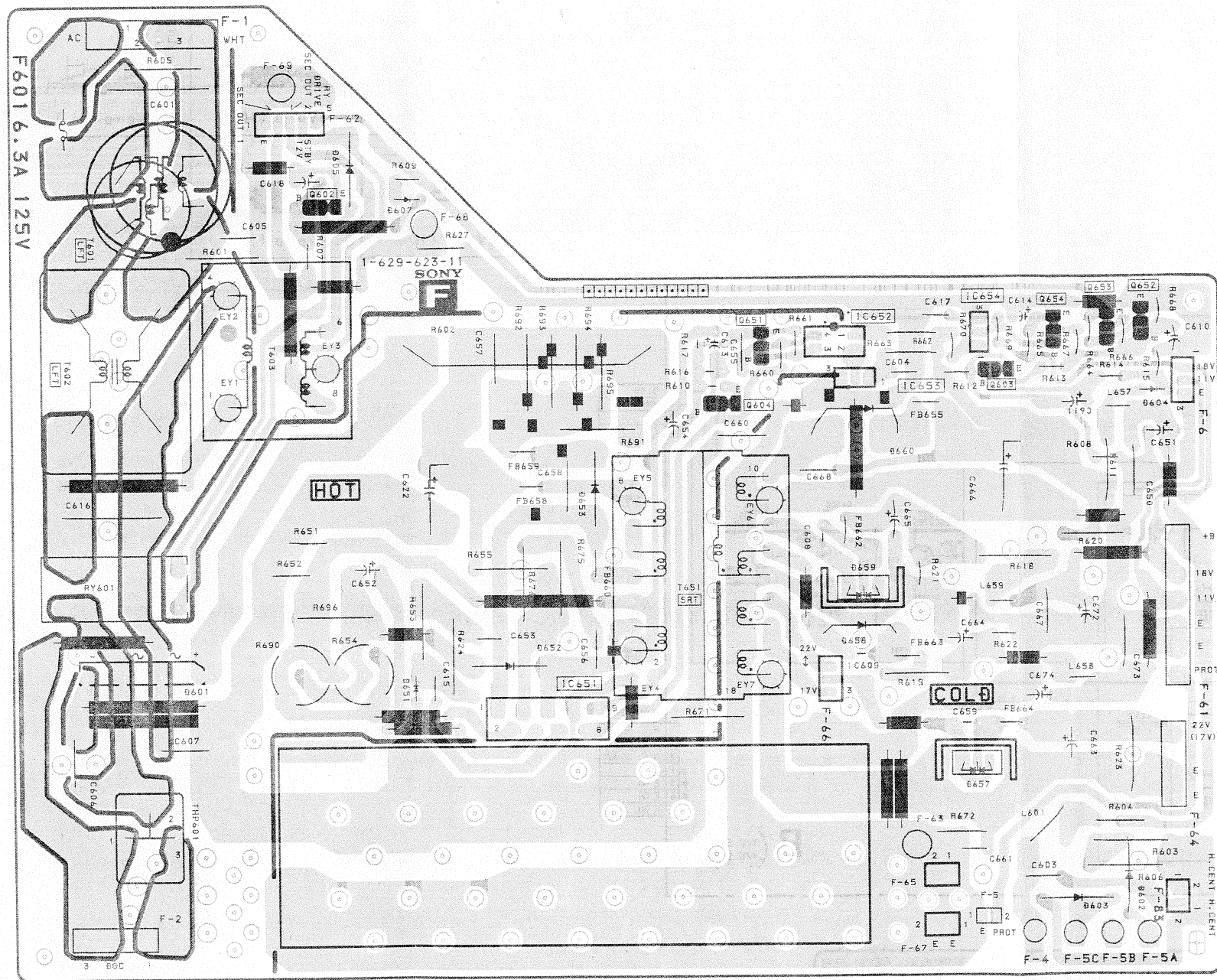


F [POWER]

C [R·G·B OUT]

X [MTS-DECODE]

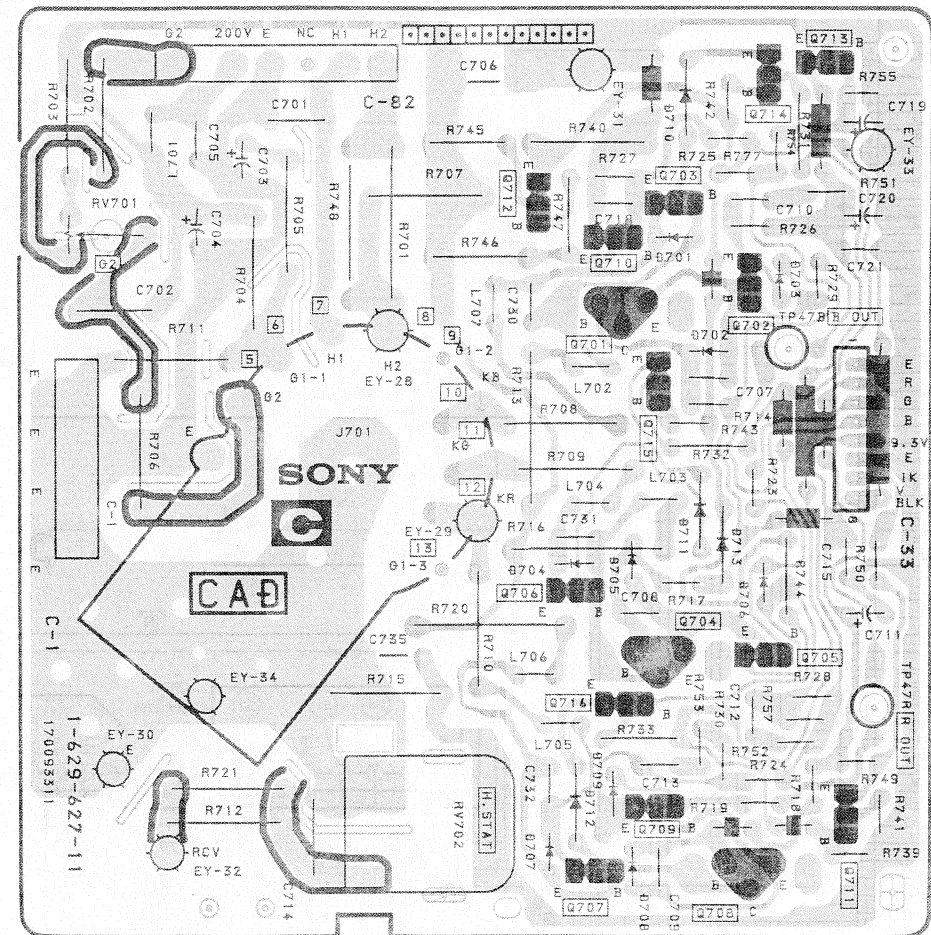
— F Board —



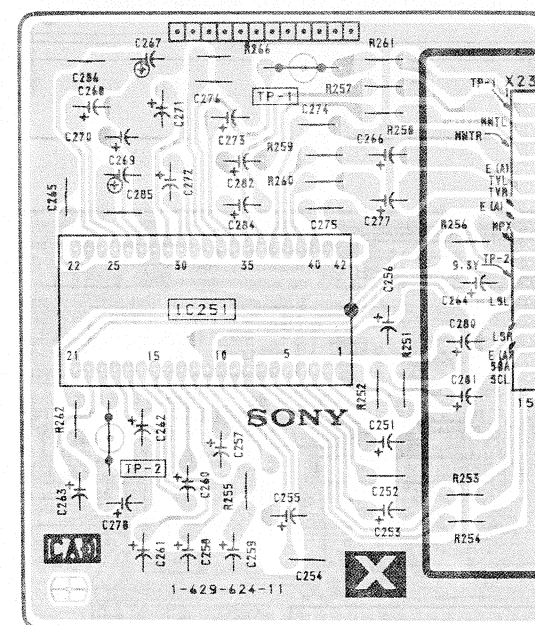
NOTE:

The circuit indicated as left contains high voltage of over 600 Vp-p. Care must be paid to prevent an electric shock in inspection or repairing.

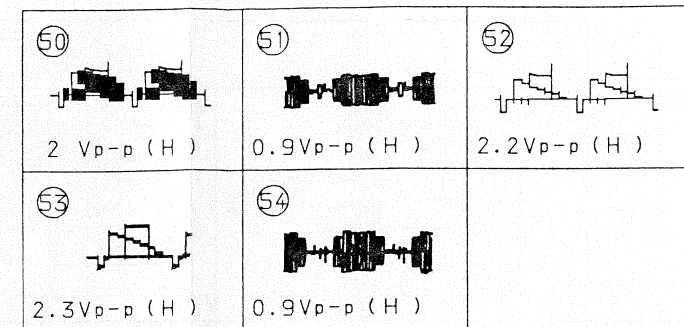
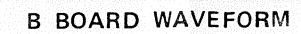
— C Board —

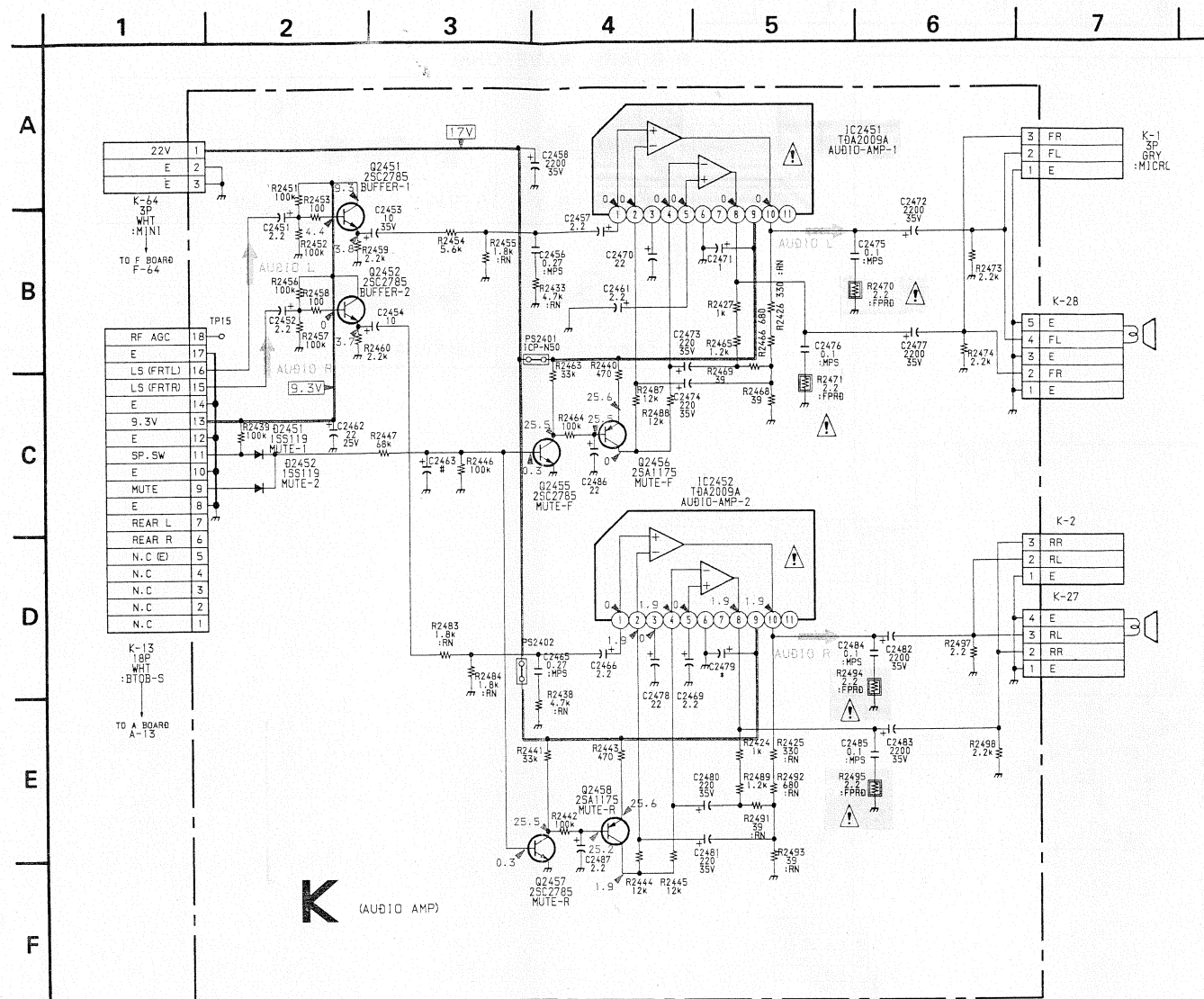


— X Board —

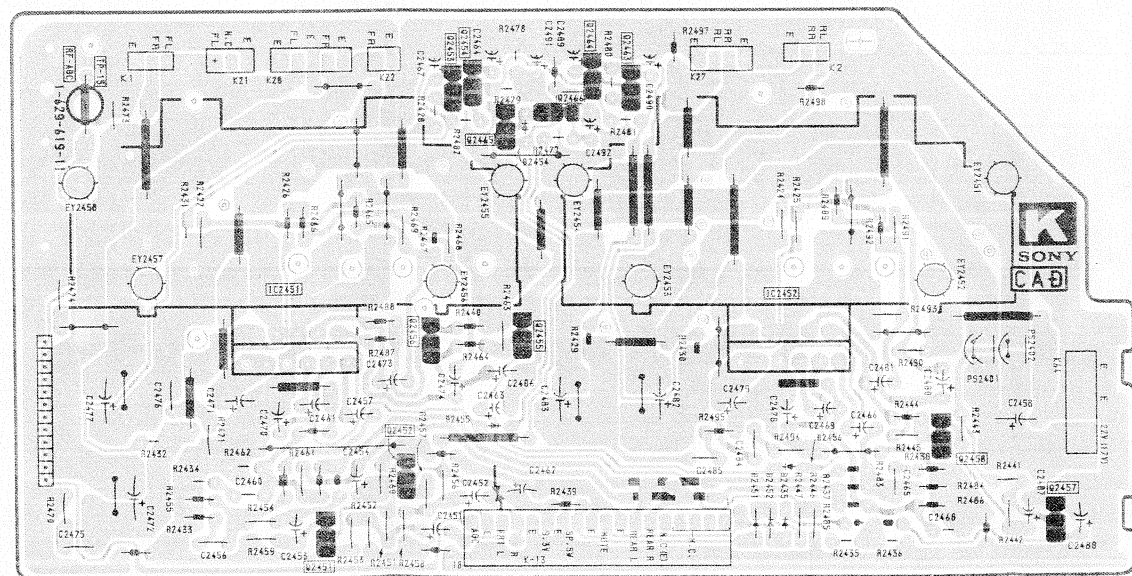


B



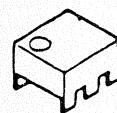
K [AUDIO AMP]

- K Board -

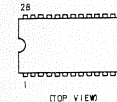


6-5. SEMICONDUCTORS

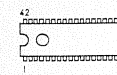
BX-1398



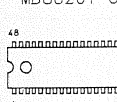
CXA1114P



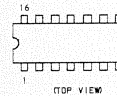
CXA1264S



CXA1313S



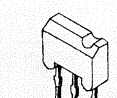
CXA1315P



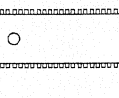
CXA1334S



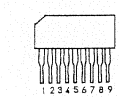
MN1280-S



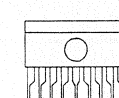
M-37100M8



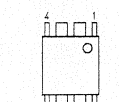
NJM-2233BS



NJM-2245S



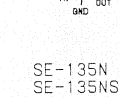
PCD8582



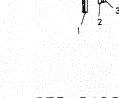
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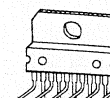
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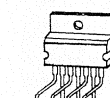
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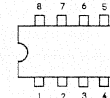
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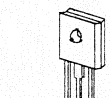
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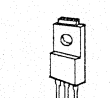
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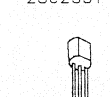
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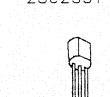
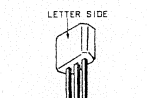
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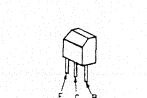
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2SC2551

2SA1175
2SC2785
2SC2785-HFE

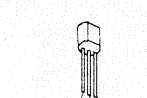
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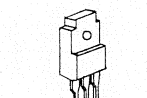
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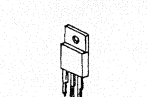
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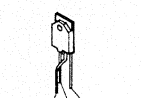
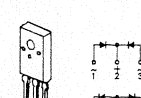
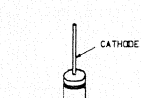
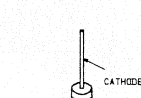
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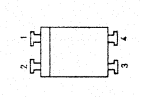
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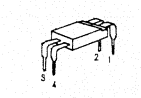
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RGP15J
ISS83ERC25-06S
ERC81-004
RU-1P
RU-3AM

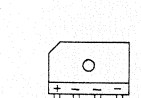
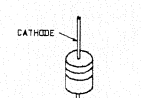
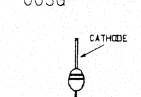
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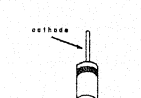
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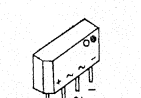
RBV-406H-01

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RD5.6ES-B2
RD6.8ES-B2
RD8.2ES-B2
RD9.1ES-B2
RD10ES-B2
RD33ES-B2
1SS119
1SV113R83G-5007L
U05G

RU-4DS



S1VB40



TLR124




SECTION 7

EXPLODED VIEWS

NOTE:


- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.

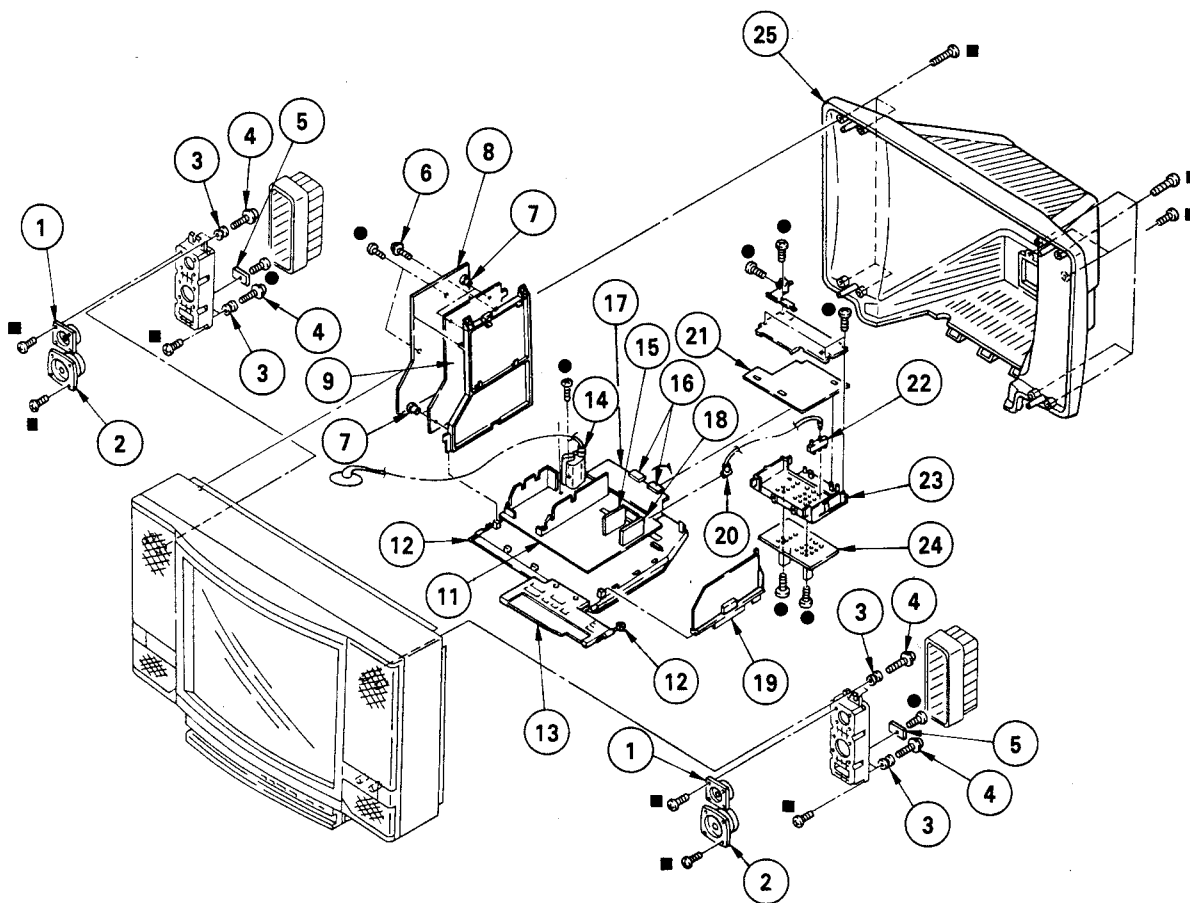
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.




The components identified by shading and mark  are critical for safety. Replace only with part number specified.

7-1. CHASSIS

- : BVTP3 x 12 7-685-648-79
- : BVTP4 x 16 7-685-663-79

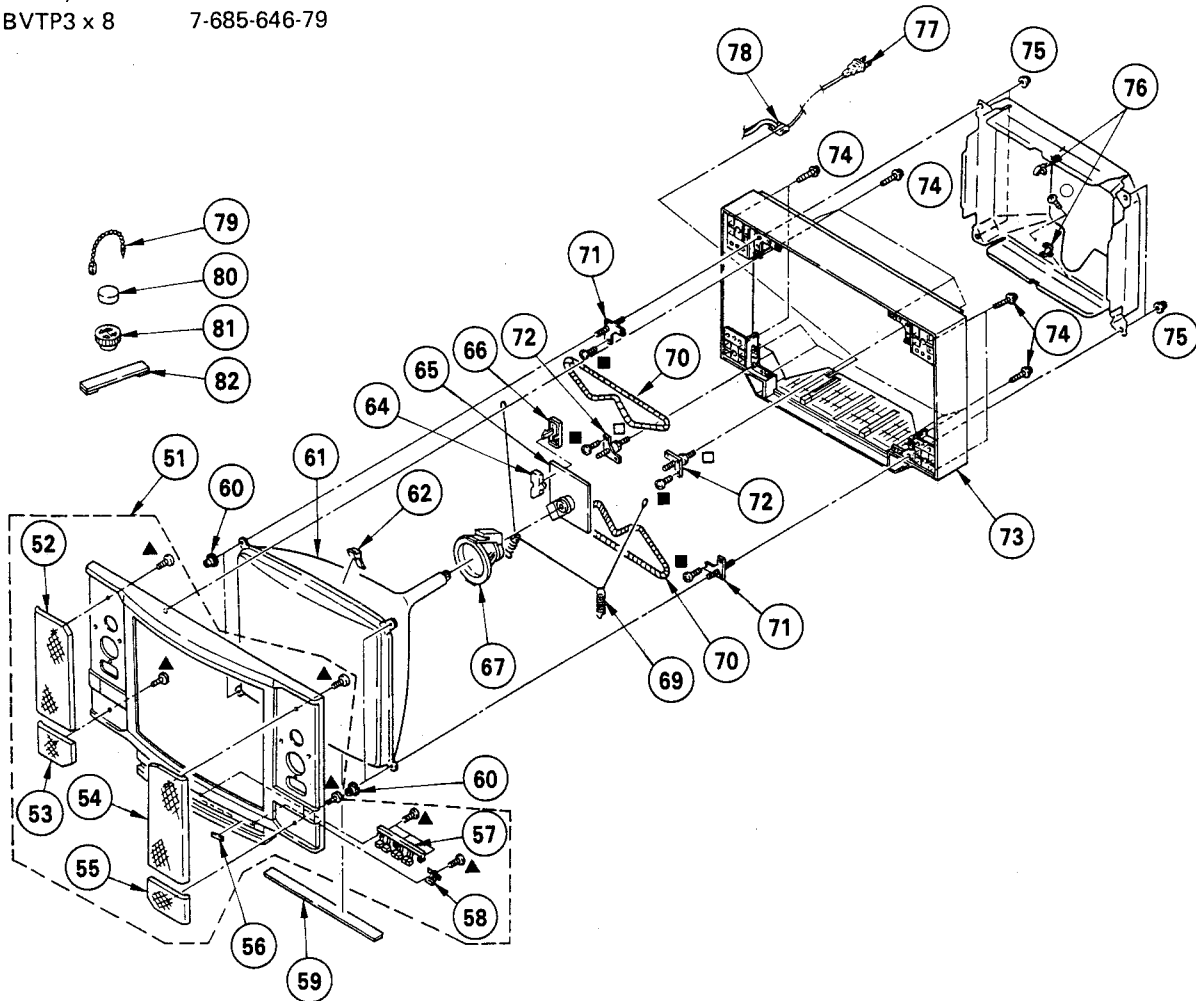
Les composants identifiés par une trame et une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.



| REF.NO. | PART NO. | DESCRIPTION | REMARK | REF.NO. | PART NO. | DESCRIPTION | REMARK |
|---------|---------------|---------------------------|--------|---------|--------------------------------------------------------------------------------------------------|-------------------------------------|--------|
| 1 | 1-544-095-11 | SPEAKER | | 14 |  1-439-455-11 | TRANSFORMER ASSY, FLYBACK (NX-2300) | |
| 2 | 1-503-917-11 | SPEAKER | | 15 | *1-629-624-11 | X BOARD | |
| 3 | 4-374-745-11 | CUSHION (A) | | 16 | *1-568-507-11 | CONNECTOR, BRIDGE 15P | |
| 4 | 4-384-096-01 | SCREW (4X16), TAPPING, +P | | 17 | *A-1135-560-A | B BOARD, COMPLETE | |
| 5 | *1-629-620-11 | N BOARD | | 18 |  1-463-771-11 | TUNER, ET (BTP-201A) | |
| 6 | 4-388-477-01 | SCREW (3X16), TAPPING | | 19 | *A-1385-052-A | K BOARD, COMPLETE | |
| 7 | 3-531-576-31 | RIVET (DIA. 3), NYLON | | 20 | *1-556-945-21 | CABLE, P-P | |
| 8 | *A-1245-453-A | F BOARD, COMPLETE | | 21 | *A-1394-173-A | U BOARD, COMPLETE | |
| 9 | *1-629-628-11 | FO BOARD | | 22 |  1-417-177-11 | SELECTOR, ANTENNA (AS-1) | |
| 11 | *A-1296-567-A | A BOARD, COMPLETE | | 23 | 4-393-419-01 | TERMINAL BOARD, ANTENNA | |
| 12 | 4-319-520-11 | SCREW, SPECIAL (+PW4X30) | 15 | 24 | 4-393-414-01 | LABEL, ANTENNA | |
| 13 | *1-629-622-11 | H2 BOARD | | 25 | 4-393-629-01 | COVER, REAR | |

7-2. PICTURE TUBE

- : BVTP4 x 16 7-685-663-79
- ▲ : BVTP3 x 16 7-685-650-79
- : BOLT, HEXAGON 5 x 20 7-683-340-07
- : BVTP3 x 8 7-685-646-79



| REF.NO. | PART NO. | DESCRIPTION | REMARK | REF.NO. | PART NO. | DESCRIPTION | REMARK |
|---------|----------------|----------------------------|--------|---------|---------------|--------------------------------|--------|
| 51 | X-4388-473-1 | BEZEL ASSY | 52-58 | 69 | 4-369-318-00 | SPRING, TENSION | |
| 52 | X-4388-467-1 | GRILLE (LEFT UPPER) ASSY | | 70 ▲ | 1-426-350-21 | COIL, DEMAGNETIZATION | |
| 53 | X-4388-468-1 | GRILLE (LEFT LOWER) ASSY | | 71 | *4-379-197-01 | BRACKET (H), PICTURE TUBE | |
| 54 | X-4388-465-1 | GRILLE (RIGHT UPPER) ASSY | | 72 | *4-376-989-01 | BRACKET (E), PICTURE TUBE | |
| 55 | X-4388-466-1 | GRILLE (RIGHT LOWER) ASSY | | 73 | 4-393-622-01 | CABINET (BLACK) | |
| 56 | 4-393-610-01 | WINDOW, ORNAMENTAL | | | 4-393-622-11 | CABINET (GRAY) (USA ONLY) | |
| 57 | 4-393-617-01 | BUTTON, MULTI | | 74 | 4-319-520-11 | SCREW, SPECIAL (+PW4X30) | |
| 58 | 4-393-613-01 | BUTTON, POWER | | 75 | 4-306-034-00 | FLANGE NUT, (B) 5MM | |
| 59 | 4-370-595-01 | SHEET, BLOTTER | | 76 | *4-371-629-01 | STOPPER, WIRE | |
| 60 | 4-376-980-01 | NUT, SPECIAL, PICTURE TUBE | | 77 ▲ | 1-559-396-11 | CORD, POWER | |
| 61 ▲ | 1-8-737-753-05 | PICTURE TUBE (A68JMT50X) | | 78 ▲ | 4-388-328-01 | GROMMET, AC CORD | |
| 62 | 3-703-961-01 | SPACER, DY | | 79 | 4-308-870-00 | CLIP, LEAD WIRE | |
| 64 | *4-379-167-01 | COVER (MAIN), CV | | 80 | 1-452-032-00 | MAGNET, DISK; 10MM φ | |
| 65 | *A-1330-949-A | C BOARD, COMPLETE | | 81 | 1-452-094-00 | MAGNET, ROTATABLE DISK; 15MM φ | |
| 66 | *4-379-160-01 | COVER (REAR LID), CV | | 82 | X-4306-312-0 | PERMALLOY ASSY, CONVERGENCE | |
| 67 ▲ | 1-451-275-11 | DEFLECTION YOKE (Y28PFA) | | | | | |

The components identified by shading and mark ▲ are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque ▲ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

SECTION 8
ELECTRICAL PARTS LIST

B

F

NOTE:

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

• Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

• All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

RESISTORS

• All resistors are in ohms
• F : nonflammable

When indicating parts by reference number, please include the board name.

CAPACITORS

COILS

• MF : μ F, PF : μ F • MMH : mH, UH : μ H

• The components identified by \boxtimes in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

| REF. NO. | PART NO. | DESCRIPTION | REMARK | REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------------|-----------------------------------|---------------------------|--------|---------------|--------------------------------------------|--------------------------|--------|
| *A-1135-560-A | B BOARD, COMPLETE | ***** | | R1320 | 1-249-405-11 | CARBON 100 5% 1/4W | |
| *1-564-507-11 | PLUG, CONNECTOR 4P | | | R1321 | 1-249-405-11 | CARBON 100 5% 1/4W | |
| 1-566-942-11 | CONNECTOR, HINGE (RECEPTACLE) 30P | | | R1322 | 1-249-405-11 | CARBON 100 5% 1/4W | |
| *1-568-371-11 | PIN, CONNECTOR (PC BOARD) 15P | | | R1323 | 1-249-405-11 | CARBON 100 5% 1/4W | |
| *1-568-376-11 | CONNECTOR, HINGE (RECEPTACLE) 7P | | | R1324 | 1-249-405-11 | CARBON 100 5% 1/4W | |
| <CAPACITOR> | | | | R1325 | 1-249-405-11 | CARBON 100 5% 1/4W | |
| C1302 | 1-124-119-00 | ELECT 330MF 20% 16V | | R1327 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| C1308 | 1-124-473-11 | ELECT 1000MF 20% 10V | | R1328 | 1-249-405-11 | CARBON 100 5% 1/4W | |
| C1309 | 1-102-121-00 | CERAMIC 0.0022MF 10% 50V | | R1329 | 1-249-405-11 | CARBON 100 5% 1/4W | |
| C1313 | 1-124-477-11 | ELECT 47MF 20% 16V | | R1330 | 1-249-405-11 | CARBON 100 5% 1/4W | |
| C1314 | 1-124-477-11 | ELECT 47MF 20% 16V | | R1346 | 1-249-405-11 | CARBON 100 5% 1/4W | |
| C1315 | 1-124-477-11 | ELECT 47MF 20% 16V | | R1347 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| C1316 | 1-124-477-11 | ELECT 47MF 20% 16V | | R1348 | 1-249-433-11 | CARBON 22K 5% 1/4W | |
| C1319 | 1-124-477-11 | ELECT 47MF 20% 16V | | R1349 | 1-249-429-11 | CARBON 10K 5% 1/4W | |
| C1326 | 1-136-161-00 | FILM 0.047MF 5% 50V | | R1350 | 1-249-415-11 | CARBON 680 5% 1/4W | |
| C1342 | 1-102-971-00 | CERAMIC 82PF 5% 50V | | R1351 | 1-249-409-11 | CARBON 220 5% 1/4W | |
| C1343 | 1-123-875-11 | ELECT 10MF 20% 50V | | R1352 | 1-249-411-11 | CARBON 330 5% 1/4W | |
| <FILTER BLOCK> | | | | R1353 | 1-249-405-11 | CARBON 100 5% 1/4W | |
| CM1301 | 1-464-880-11 | FILTER BLOCK, COM (CFB-2) | | R1355 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| <DIODE> | | | | R1356 | 1-249-405-11 | CARBON 100 5% 1/4W | |
| D1301 | 8-719-911-19 | DIODE 1SS119 | | R1367 | 1-249-418-11 | CARBON 1.2K 5% 1/4W | |
| D1302 | 8-719-911-19 | DIODE 1SS119 | | R1369 | 1-249-418-11 | CARBON 1.2K 5% 1/4W | |
| <IC> | | | | ***** | | | |
| IC1304 | 8-759-710-69 | IC NJM2233BS | | *A-1245-453-A | F BOARD, COMPLETE | ***** | |
| IC1305 | 8-759-710-69 | IC NJM2233BS | | *1-506-348-99 | PIN, CONNECTOR 3P | | |
| <TRANSISTOR> | | | | *1-508-765-00 | PIN, CONNECTOR (5MM PITCH) 3P | | |
| Q1301 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | *1-508-768-00 | PIN, CONNECTOR (5MM PITCH) 6P | | |
| Q1302 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | | *1-508-784-00 | PIN, CONNECTOR (5MM PITCH) 1P | | |
| Q1303 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | 1-533-127-00 | FUSE CLIP | | |
| Q1307 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | *1-533-189-11 | HOLDER, FUSE | | |
| Q1308 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | *1-559-991-21 | CONNECTOR ASSY 1P | | |
| Q1309 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | *1-560-290-00 | PLUG, CONNECTOR (2.5MM PITCH) | | |
| <RESISTOR> | | | | *1-564-505-11 | PLUG, CONNECTOR 2P | | |
| R1305 | 1-249-429-11 | CARBON 10K 5% 1/4W | | *1-564-506-11 | PLUG, CONNECTOR 3P | | |
| R1306 | 1-249-441-11 | CARBON 100K 5% 1/4W | | *1-564-508-11 | PLUG, CONNECTOR 5P | | |
| R1307 | 1-249-429-11 | CARBON 10K 5% 1/4W | | *1-565-514-11 | SOCKET, CONNECTOR 2P | | |
| R1308 | 1-249-417-11 | CARBON 1K 5% 1/4W | | *1-568-378-21 | PIN, CONNECTOR 3P | | |
| R1314 | 1-249-417-11 | CARBON 1K 5% 1/4W | | *4-341-752-01 | EYELET (EY1, EY2, EY3, EY4, EY5, EY6, EY7) | | |
| <CAPACITOR> | | | | <CAPACITOR> | | | |
| C601 | 1-136-311-51 | FILM 0.47MF 20% 125V | | C601 | 1-136-311-51 | FILM 0.47MF 20% 125V | |
| C603 | 1-108-391-12 | MYLAR 0.15MF 10% 100V | | C603 | 1-108-391-12 | MYLAR 0.15MF 10% 100V | |
| C604 | 1-101-821-00 | CERAMIC 0.0022MF 50V | | C604 | 1-101-821-00 | CERAMIC 0.0022MF 50V | |
| C605 | 1-162-576-51 | CERAMIC 0.001MF 40V | | C605 | 1-162-576-51 | CERAMIC 0.001MF 40V | |
| C606 | 1-161-953-51 | CERAMIC 0.0047MF 40V | | C606 | 1-161-953-51 | CERAMIC 0.0047MF 40V | |
| C607 | 1-162-599-12 | CERAMIC 0.0047MF 20% 40V | | C607 | 1-162-599-12 | CERAMIC 0.0047MF 20% 40V | |
| C610 | 1-124-477-11 | ELECT 47MF 20% 16V | | C610 | 1-124-477-11 | ELECT 47MF 20% 16V | |

F

Les composants identifiés par une trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifique.

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

| REF. NO. | PART NO. | DESCRIPTION | REMARK | REF. NO. | PART NO. | DESCRIPTION | REMARK |
|-------------------------|---------------|-----------------------------|-------------------|----------|----------|-------------|--------|
| C611 | 1-123-333-00 | ELECT | 100MF 20% 25V | | | | |
| C616 Δ | 1-136-311-51 | FILM | 0.47MF 20% 125V | | | | |
| C617 | 1-101-821-00 | CERAMIC | 0.0022MF 500V | | | | |
| C618 | 1-124-477-11 | ELECT | 47MF 20% 16V | | | | |
| C622 | 1-125-538-11 | ELECT (BLOCK) | 1000MF 20% 200V | | | | |
| C650 | 1-161-830-00 | CERAMIC | 0.0047MF 500V | | | | |
| C651 | 1-124-799-11 | ELECT | 2.2MF 20% 160V | | | | |
| C652 Δ | 1-124-122-91 | ELECT | 100MF 20% 50V | | | | |
| C653 | 1-102-244-00 | CERAMIC | 220PF 10% 500V | | | | |
| C654 | 1-124-126-00 | ELECT | 47MF 20% 25V | | | | |
| C655 | 1-136-173-00 | FILM | 0.47MF 5% 50V | | | | |
| C656 | 1-106-383-00 | MYLAR | 0.047MF 10% 100V | | | | |
| C657 | 1-136-601-11 | FILM | 0.01MF 10% 630V | | | | |
| C658 | 1-162-114-00 | CERAMIC | 0.0047MF 2KV | | | | |
| C660 | 1-162-599-12 | CERAMIC | 0.0047MF 20% 400V | | | | |
| C661 | 1-102-125-00 | CERAMIC | 0.0047MF 10% 50V | | | | |
| C663 | 1-124-618-11 | ELECT | 2200MF 20% 35V | | | | |
| C664 | 1-126-103-11 | ELECT | 470MF 20% 16V | | | | |
| C665 | 1-124-557-11 | ELECT | 1000MF 20% 25V | | | | |
| C666 | 1-125-564-11 | ELECT (BLOCK) | 1000MF 20% 160V | | | | |
| C667 | 1-102-129-00 | CERAMIC | 0.01MF 10% 50V | | | | |
| C668 | 1-162-116-00 | CERAMIC | 680PF 10% 2KV | | | | |
| C672 | 1-123-333-00 | ELECT | 100MF 20% 25V | | | | |
| C673 | 1-102-129-00 | CERAMIC | 0.01MF 10% 50V | | | | |
| C674 | 1-124-126-00 | ELECT | 47MF 20% 16V | | | | |
| <DIODE> | | | | | | | |
| D601 Δ | 8-719-305-07 | DIODE RBV-406H | | | | | |
| D602 | 8-719-911-55 | DIODE U05G | | | | | |
| D603 | 8-719-911-55 | DIODE U05G | | | | | |
| D604 | 8-719-911-19 | DIODE 1SS119 | | | | | |
| D605 | 8-719-911-55 | DIODE U05G | | | | | |
| D607 | 8-719-911-19 | DIODE 1SS119 | | | | | |
| D651 | 8-719-911-19 | DIODE 1SS119 | | | | | |
| D652 | 8-719-300-33 | DIODE RU-3AM | | | | | |
| D653 | 8-719-311-31 | DIODE RU-1P | | | | | |
| D657 | 8-719-500-67 | DIODE D5KC40H | | | | | |
| D658 | 8-719-981-00 | DIODE ERC81-004 | | | | | |
| D659 | 8-719-500-41 | DIODE D8LCA20 | | | | | |
| D660 | 8-719-312-10 | DIODE RU4AM-T3 | | | | | |
| <FUSE> | | | | | | | |
| F601 Δ | 1-532-748-11 | FUSE, GLASS TUBE 6.3A/125V | | | | | |
| <FERRITE BEAD INDUCTOR> | | | | | | | |
| FB655 | 1-410-397-21 | FERRITE BEAD INDUCTOR | | | | | |
| FB658 | 1-410-396-41 | FERRITE BEAD INDUCTOR | | | | | |
| FB659 | 1-410-397-21 | FERRITE BEAD INDUCTOR | | | | | |
| FB660 | 1-410-396-41 | FERRITE BEAD INDUCTOR | | | | | |
| FB662 | 1-410-397-21 | FERRITE BEAD INDUCTOR | | | | | |
| FB663 | 1-410-397-21 | FERRITE BEAD INDUCTOR | | | | | |
| FB664 | 1-410-397-21 | FERRITE BEAD INDUCTOR | | | | | |
| <IC> | | | | | | | |
| IC651 Δ | 8-749-920-81 | IC STR-S6301A | | | | | |
| | *4-363-404-00 | HOLDER, IC; IC651 | | | | | |
| | 4-393-406-01 | SHEET (R), RADIATION; IC651 | | | | | |
| IC652 | 8-719-156-73 | DIODE PS2501-1LB | | | | | |
| IC653 Δ | 8-749-920-62 | IC SE-135NS | | | | | |
| IC654 Δ | 8-749-920-61 | IC SE-135N | | | | | |
| <COIL> | | | | | | | |
| L601 | 1-459-104-00 | COIL, DUST CORE | | | | | |
| L657 | 1-459-155-00 | COIL (WITH CORE) 45UH | | | | | |
| L658 | 1-459-155-00 | COIL (WITH CORE) 45UH | | | | | |
| L659 | 1-459-407-00 | COIL, FERRITE CHOKE | | | | | |
| <TRANSISTOR> | | | | | | | |
| Q602 | 8-729-255-12 | TRANSISTOR 2SC2551 | | | | | |
| Q603 | 8-729-200-17 | TRANSISTOR 2SA1091 | | | | | |
| Q651 Δ | 8-729-177-43 | TRANSISTOR 2SD774 | | | | | |
| Q652 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | | | | |
| Q653 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | | | | | |
| Q654 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | | | | | |
| <RESISTOR> | | | | | | | |
| R601 Δ | 1-202-723-51 | SOLID | 2.2M 10% 1/2W | | | | |
| R602 Δ | 1-205-798-11 | WIREWOUND | 1.5 5% 20W F | | | | |
| R603 | 1-215-885-00 | METAL OXIDE | 68 5% 2W F | | | | |
| R605 Δ | 1-202-723-51 | SOLID | 2.2M 10% 1/2W | | | | |
| R606 | 1-215-885-00 | METAL OXIDE | 68 5% 2W F | | | | |
| R607 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W | | | | |
| R608 | 1-247-887-00 | CARBON | 220K 5% 1/4W | | | | |
| R609 | 1-249-417-11 | CARBON | 1K 5% 1/4W | | | | |
| R611 | 1-207-645-00 | WIREWOUND | 0.47 10% 3W F | | | | |
| R612 | 1-249-417-11 | CARBON | 1K 5% 1/4W F | | | | |
| R613 | 1-249-441-11 | CARBON | 100K 5% 1/4W | | | | |
| R614 | 1-249-429-11 | CARBON | 10K 5% 1/4W | | | | |
| R615 | 1-247-895-00 | CARBON | 470K 5% 1/4W | | | | |
| R619 Δ | 1-216-341-51 | METAL OXIDE | 0.22 5% 1W F | | | | |
| R620 | 1-216-444-11 | METAL OXIDE | 82K 5% 1W F | | | | |
| R621 | 1-249-429-11 | CARBON | 10K 5% 1/4W | | | | |
| R622 | 1-249-423-11 | CARBON | 3.3K 5% 1/4W | | | | |
| R623 | 1-216-457-00 | METAL OXIDE | 1.2K 5% 2W F | | | | |
| R624 | 1-216-458-11 | METAL OXIDE | 1.8K 5% 2W F | | | | |
| R651 | 1-207-612-00 | WIREWOUND | 0.1 10% 2W F | | | | |
| R652 | 1-207-612-00 | WIREWOUND | 0.1 10% 2W F | | | | |
| R653 | 1-215-893-11 | METAL OXIDE | 1.5K 5% 2W F | | | | |
| R654 | 1-205-945-11 | WIREWOUND | 33 10% 7W F | | | | |
| R655 | 1-202-843-11 | SOLID | 270K 10% 1/2W | | | | |
| R660 Δ | 1-249-414-51 | CARBON | 560 5% 1/4W F | | | | |
| R661 | 1-249-413-11 | CARBON | 470 5% 1/4W | | | | |
| R662 | 1-249-467-11 | CARBON | 68K 5% 1/4W F | | | | |
| R663 | 1-247-706-11 | CARBON | 330 5% 1/4W F | | | | |
| R664 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W | | | | |
| R665 | 1-249-417-11 | CARBON | 1K 5% 1/4W | | | | |
| R666 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W | | | | |
| R667 | 1-249-417-11 | CARBON | 1K 5% 1/4W | | | | |
| R668 | 1-249-429-11 | CARBON | 10K 5% 1/4W | | | | |
| R669 | 1-249-417-11 | CARBON | 1K 5% 1/4W | | | | |
| R670 | 1-249-427-11 | CARBON | 6.8K 5% 1/4W F | | | | |
| R671 | 1-202-730-00 | SOLID | 8.2M 10% 1/2W | | | | |
| R672 | 1-249-455-11 | CARBON | 4.7 5% 1/4W F | | | | |
| R675 | 1-215-881-11 | METAL OXIDE | 15 5% 2W F | | | | |
| R676 | 1-216-446-00 | METAL OXIDE | 18 5% 2W F | | | | |
| R690 | 1-205-945-11 | WIREWOUND | 33 10% 7W F | | | | |
| R691 | 1-216-468-11 | METAL OXIDE | 82K 5% 2W F | | | | |
| R692 | 1-216-468-11 | METAL OXIDE | 82K 5% 2W F | | | | |
| R693 | 1-216-468-11 | METAL OXIDE | 82K 5% 2W F | | | | |
| R694 | 1-216-468-11 | METAL OXIDE | 82K 5% 2W F | | | | |
| R695 | 1-216-468-11 | METAL OXIDE | 82K 5% 2W F | | | | |

The components identified by shading and mark Δ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une trame et une marque Δ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

KV-27HSR10
RM-763

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| REF.NO. | PART NO. | DESCRIPTION | REMARK | REF.NO. | PART NO. | DESCRIPTION | REMARK |
|---------------|----------------------------------|--------------------------|---------|---------|--------------|------------------|----------|
| R696 | 1-207-682-00 | WIREWOUND 47 10% 5W | F | C199 | 1-124-477-11 | ELECT 47MF | 20% 16V |
| | | <RELAY> | | C201 | 1-124-478-11 | ELECT 100MF | 20% 25V |
| RY601 | 1-515-601-11 | RELAY | | C202 | 1-102-121-00 | CERAMIC 0.0022MF | 10% 50V |
| | | <TRANSFORMER> | | C203 | 1-102-121-00 | CERAMIC 0.0022MF | 10% 50V |
| T601 | 1-424-220-21 | TRANSFORMER, LINE FILTER | | C301 | 1-124-120-11 | ELECT 220MF | 20% 16V |
| T602 | 1-424-205-11 | TRANSFORMER, LINE FILTER | | C302 | 1-124-234-00 | ELECT 22MF | 20% 16V |
| T603 | 1-448-916-11 | TRANSFORMER, POWER | | C303 | 1-136-153-00 | FILM 0.01MF | 5% 50V |
| T651 | 1-449-607-11 | TRANSFORMER | | C304 | 1-124-499-11 | ELECT 1MF | 20% 50V |
| | | <THERMISTOR> | | C305 | 1-124-465-00 | ELECT 0.47MF | 20% 50V |
| THP601 | 1-808-081-22 | THERMISTOR, POSITIVE | | C306 | 1-124-234-00 | ELECT 22MF | 20% 16V |
| ***** | | | | C307 | 1-102-978-00 | CERAMIC 220PF | 5% 50V |
| *A-1296-567-A | A BOARD, COMPLETE | | | C308 | 1-102-965-00 | CERAMIC 39PF | 5% 50V |
| | ***** | | | C309 | 1-136-165-00 | FILM 0.1MF | 5% 50V |
| *1-508-768-00 | PIN, CONNECTOR (5MM PITCH) 6P | | | C310 | 1-136-165-00 | FILM 0.1MF | 5% 50V |
| *1-560-124-00 | PLUG, CONNECTOR (2.5MM PITCH) | | | C311 | 1-136-165-00 | FILM 0.1MF | 5% 50V |
| *1-564-038-00 | CONNECTOR PLUG, DY (MINI) 6P | | | C312 | 1-136-169-00 | FILM 0.22MF | 5% 50V |
| *1-564-505-11 | PLUG, CONNECTOR 2P | | | C313 | 1-124-499-11 | ELECT 1MF | 20% 50V |
| *1-564-507-11 | PLUG, CONNECTOR 4P | | | C315 | 1-136-158-00 | FILM 0.027MF | 5% 50V |
| *1-564-508-11 | PLUG, CONNECTOR 5P | | | C316 | 1-102-973-00 | CERAMIC 100PF | 5% 50V |
| *1-564-509-11 | PLUG, CONNECTOR 6P | | | C317 | 1-136-169-00 | FILM 0.22MF | 5% 50V |
| *1-564-511-11 | PLUG, CONNECTOR 8P | | | C318 | 1-136-169-00 | FILM 0.22MF | 5% 50V |
| *1-564-512-11 | PLUG, CONNECTOR 9P | | | C319 | 1-102-980-00 | CERAMIC 270PF | 5% 50V |
| *1-564-513-11 | PLUG, CONNECTOR 10P | | | C320 | 1-124-499-11 | ELECT 1MF | 20% 50V |
| *1-565-509-11 | CONNECTOR, BOARD TO BOARD 18P | | | C321 | 1-136-153-00 | FILM 0.01MF | 5% 50V |
| *1-568-371-11 | PIN, CONNECTOR (PC BOARD) 15P | | | C322 | 1-124-499-11 | ELECT 1MF | 20% 50V |
| *4-341-751-01 | EYELET | | | C323 | 1-124-443-00 | ELECT 100MF | 20% 10V |
| *4-341-752-01 | EYELET (EY1, EY2, EY3, EY4, EY5) | | | C324 | 1-102-114-00 | CERAMIC 470PF | 10% 50V |
| | | <CONNECTOR> | | C325 | 1-102-114-00 | CERAMIC 470PF | 10% 50V |
| A33 | *1-564-511-11 | PLUG, CONNECTOR 8P | | C326 | 1-124-499-11 | ELECT 1MF | 20% 50V |
| | | <CAPACITOR> | | C327 | 1-130-479-00 | MYLAR 0.0047MF | 5% 50V |
| C101 | 1-123-875-11 | ELECT 10MF | 20% 50V | C328 | 1-123-875-11 | ELECT 10MF | 20% 50V |
| C102 | 1-126-233-11 | ELECT 22MF | 20% 25V | C329 | 1-124-799-11 | ELECT 2.2MF | 20% 160V |
| C103 | 1-124-360-00 | ELECT 1000MF | 20% 16V | C331 | 1-102-112-00 | CERAMIC 330PF | 10% 50V |
| C104 | 1-124-473-11 | ELECT 1000MF | 20% 10V | C332 | 1-136-157-00 | FILM 0.022MF | 5% 50V |
| C106 | 1-136-153-00 | FILM 0.01MF | 5% 50V | C333 | 1-124-499-11 | ELECT 1MF | 20% 50V |
| C107 | 1-119-160-00 | ELECT 470MF | 10V | C334 | 1-136-161-00 | FILM 0.047MF | 5% 50V |
| C108 | 1-123-875-11 | ELECT 10MF | 20% 50V | C335 | 1-130-471-00 | MYLAR 0.001MF | 5% 50V |
| C109 | 1-102-973-00 | CERAMIC 100PF | 5% 50V | C338 | 1-126-233-11 | ELECT 22MF | 20% 50V |
| C111 | 1-102-978-00 | CERAMIC 220PF | 5% 50V | C339 | 1-123-875-11 | ELECT 10MF | 20% 50V |
| C112 | 1-136-161-00 | FILM 0.047MF | 5% 50V | C340 | 1-124-902-00 | ELECT 0.47MF | 20% 50V |
| C113 | 1-124-499-11 | ELECT 1MF | 20% 50V | C342 | 1-161-377-00 | CERAMIC 0.0047MF | 30% 50V |
| C114 | 1-102-978-00 | CERAMIC 220PF | 5% 50V | C343 | 1-119-363-00 | ELECT 4.7MF | 25V |
| C115 | 1-101-006-00 | CERAMIC 0.047MF | 5% 50V | C344 | 1-126-176-11 | ELECT 220MF | 20% 10V |
| C116 | 1-102-973-00 | CERAMIC 100PF | 5% 50V | C351 | 1-136-169-00 | FILM 0.22MF | 5% 50V |
| C119 | 1-123-875-11 | ELECT 10MF | 20% 50V | C352 | 1-136-165-00 | FILM 0.1MF | 5% 50V |
| C120 | 1-124-360-00 | ELECT 1000MF | 20% 16V | C353 | 1-124-902-00 | ELECT 0.47MF | 20% 50V |
| C121 | 1-136-165-00 | FILM 0.1MF | 5% 50V | C382 | 1-124-234-00 | ELECT 22MF | 20% 16V |
| C124 | 1-130-728-00 | FILM 0.0022MF | 5% 50V | C500 | 1-130-475-00 | MYLAR 0.0022MF | 5% 50V |
| C125 | 1-102-121-00 | CERAMIC 0.0022MF | 10% 50V | C501 | 1-124-122-11 | ELECT 100MF | 20% 50V |
| C126 | 1-102-121-00 | CERAMIC 0.0022MF | 10% 50V | C502 | 1-124-557-91 | ELECT 1000MF | 20% 25V |
| C128 | 1-124-477-11 | ELECT 47MF | 20% 16V | C503 | 1-124-477-11 | ELECT 47MF | 20% 25V |
| C129 | 1-136-161-00 | FILM 0.047MF | 5% 50V | C504 | 1-106-216-00 | MYLAR 0.068MF | 10% 100V |
| | | | | C505 | 1-106-383-00 | MYLAR 0.047MF | 10% 100V |
| | | | | C508 | 1-136-161-00 | FILM 0.047MF | 5% 50V |
| | | | | C509 | 1-106-387-00 | MYLAR 0.068MF | 10% 200V |
| | | | | C510 | 1-102-228-00 | CERAMIC 470PF | 10% 500V |
| | | | | C511 | 1-124-494-00 | ELECT 33MF | 160V |
| | | | | C512 | 1-124-046-00 | ELECT 10MF | 20% 160V |
| | | | | C513 | 1-124-477-11 | ELECT 47MF | 20% 25V |
| | | | | C514 | 1-124-557-11 | ELECT 1000MF | 20% 25V |
| | | | | C515 | 1-162-114-00 | CERAMIC 0.0047MF | 2KV |
| | | | | C516 | 1-162-116-00 | CERAMIC 680PF | 10% 2KV |
| | | | | C517 | 1-162-116-00 | CERAMIC 680PF | 10% 2KV |

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Les composants identifiés par
une trame et une marque Δ
sont critiques pour la sécurité.
Ne les remplacer que par une
pièce portant le numéro spécifié.

The components identified by
shading and mark Δ are critical
for safety.
Replace only with part number
specified.

| REF. NO. | PART NO. | DESCRIPTION | REMARK | REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------------|---------------|-----------------------------|-------------------|----------|--------------|--------------|--------|
| C518 | 1-106-359-00 | MYLAR | 0.0047MF 10% 200V | CP109 | 1-236-358-21 | NETWORK, RES | |
| C519 Δ | 1-136-897-11 | FILM | 0.021MF 3% 2KV | CP110 | 1-236-294-21 | NETWORK, RES | |
| C520 | 1-162-116-00 | CERAMIC | 680PF 10% 2KV | | | | |
| C521 | 1-162-558-11 | CERAMIC | 100PF 10% 2KV | | | | |
| C522 Δ | 1-136-896-51 | FILM | 0.091MF 5% 630V | | | | |
| C523 | 1-102-244-00 | CERAMIC | 220PF 10% 500V | | | | |
| C524 | 1-106-383-00 | MYLAR | 0.047MF 10% 200V | | | | |
| C525 | 1-124-902-00 | ELECT | 0.47MF 20% 50V | | | | |
| C526 | 1-102-244-00 | CERAMIC | 220PF 10% 500V | | | | |
| C527 | 1-162-318-11 | CERAMIC | 0.001MF 10% 500V | | | | |
| C528 | 1-102-030-00 | CERAMIC | 330PF 10% 500V | | | | |
| C529 | 1-136-109-00 | FILM | 0.68MF 5% 200V | | | | |
| C530 | 1-123-947-00 | ELECT | 10MF 20% 250V | | | | |
| C531 | 1-130-475-00 | MYLAR | 0.0022MF 5% 50V | | | | |
| C532 | 1-130-475-00 | MYLAR | 0.0022MF 5% 50V | | | | |
| C533 | 1-130-471-00 | MYLAR | 0.001MF 5% 50V | | | | |
| C534 | 1-124-477-11 | ELECT | 47MF 20% 25V | | | | |
| C535 | 1-123-948-00 | ELECT | 22MF 20% 250V | | | | |
| C536 | 1-136-559-11 | FILM | 0.0047MF 10% 630V | | | | |
| C537 | 1-124-927-11 | ELECT | 4.7MF 20% 50V | | | | |
| C541 | 1-106-383-00 | MYLAR | 0.047MF 10% 200V | | | | |
| C543 | 1-136-828-11 | FILM | 1.8MF 5% 200V | | | | |
| C544 | 1-106-343-00 | MYLAR | 0.001MF 10% 100V | | | | |
| C545 | 1-124-910-11 | ELECT | 47MF 20% 50V | | | | |
| C546 | 1-102-228-00 | CERAMIC | 470PF 10% 500V | | | | |
| C548 | 1-124-927-11 | ELECT | 4.7MF 20% 50V | | | | |
| C549 | 1-124-477-11 | ELECT | 47MF 20% 25V | | | | |
| C550 | 1-136-111-00 | FILM | 1MF 5% 200V | | | | |
| C551 | 1-124-927-11 | ELECT | 4.7MF 20% 50V | | | | |
| C552 | 1-102-228-00 | CERAMIC | 470PF 10% 500V | | | | |
| C553 | 1-123-875-11 | ELECT | 10MF 20% 50V | | | | |
| C555 | 1-123-875-11 | ELECT | 10MF 20% 50V | | | | |
| C556 | 1-123-932-00 | ELECT | 4.7MF 20% 160V | | | | |
| C557 | 1-102-114-00 | CERAMIC | 470PF 10% 50V | | | | |
| C558 | 1-136-161-00 | FILM | 0.047MF 5% 50V | | | | |
| C559 | 1-136-165-00 | FILM | 0.1MF 5% 50V | | | | |
| C581 | 1-124-478-11 | ELECT | 100MF 20% 25V | | | | |
| C582 | 1-124-478-11 | ELECT | 100MF 20% 25V | | | | |
| C583 | 1-124-478-11 | ELECT | 100MF 20% 25V | | | | |
| C584 | 1-124-478-11 | ELECT | 100MF 20% 25V | | | | |
| C585 | 1-124-478-11 | ELECT | 100MF 20% 25V | | | | |
| C586 | 1-124-478-11 | ELECT | 100MF 20% 25V | | | | |
| C611 Δ | 1-102-125-91 | CERAMIC | 0.0047MF 10% 50V | | | | |
| C612 Δ | 1-102-125-91 | CERAMIC | 0.0047MF 10% 50V | | | | |
| C613 | 1-124-480-11 | ELECT | 470MF 20% 25V | | | | |
| C614 | 1-124-480-11 | ELECT | 470MF 20% 25V | | | | |
| C619 | 1-124-478-11 | ELECT | 100MF 20% 25V | | | | |
| C620 | 1-123-875-11 | ELECT | 10MF 20% 50V | | | | |
| C640 | 1-136-165-00 | FILM | 0.1MF 5% 50V | | | | |
| C641 | 1-101-006-00 | CERAMIC | 0.047MF 50V | | | | |
| C642 | 1-102-129-00 | CERAMIC | 0.01MF 10% 50V | | | | |
| C643 | 1-101-005-00 | CERAMIC | 0.022MF 50V | | | | |
| C644 | 1-101-005-00 | CERAMIC | 0.022MF 50V | | | | |
| C1701 | 1-102-976-00 | CERAMIC | 180PF 5% 50V | | | | |
| C1702 | 1-102-973-00 | CERAMIC | 100PF 5% 50V | | | | |
| C1703 | 1-124-477-11 | ELECT | 47MF 20% 16V | | | | |
| <NETWORK> | | | | | | | |
| CP102 | 1-236-301-11 | NETWORK, C | | | | | |
| CP103 | 1-236-491-11 | NETWORK, RES, THICK FILM | | | | | |
| CP105 | 1-236-479-11 | NETWORK, C | | | | | |
| CP106 | 1-236-479-11 | NETWORK, C | | | | | |
| CP108 | 1-236-358-21 | NETWORK, RES | | | | | |
| <DIODE> | | | | | | | |
| D101 | 8-719-110-78 | DIODE RD33ES-B2 | | | | | |
| D102 | 8-719-911-19 | DIODE 1SS119 | | | | | |
| D103 | 8-719-911-19 | DIODE 1SS119 | | | | | |
| D104 | 8-719-911-19 | DIODE 1SS119 | | | | | |
| D105 | 8-719-974-81 | DIODE 1SV113 | | | | | |
| D106 | 8-719-911-19 | DIODE 1SS119 | | | | | |
| D112 | 8-719-911-19 | DIODE 1SS119 | | | | | |
| D114 | 8-719-911-19 | DIODE 1SS119 | | | | | |
| D301 | 8-719-110-48 | DIODE RD18ES-B1 | | | | | |
| D302 | 8-719-109-89 | DIODE RD5.6ES-B2 | | | | | |
| D303 | 8-719-109-84 | DIODE RD5.1ES-B1 | | | | | |
| D304 | 8-719-109-96 | DIODE RD6.8ES-B1 | | | | | |
| D306 | 8-719-911-19 | DIODE 1SS119 | | | | | |
| D307 | 8-719-911-19 | DIODE 1SS119 | | | | | |
| D308 | 8-719-911-19 | DIODE 1SS119 | | | | | |
| D350 | 8-719-109-89 | DIODE RD5.6ES-B2 | | | | | |
| D500 | 8-719-911-55 | DIODE U05G | | | | | |
| D501 | 8-719-300-33 | DIODE RU-3AM | | | | | |
| D502 | 8-719-902-85 | DIODE RG3G-5007L | | | | | |
| D503 | 8-719-901-58 | DIODE RGP15J | | | | | |
| D504 | 8-719-500-26 | DIODE D5KD20H | | | | | |
| D505 | 8-719-300-65 | DIODE ES1F | | | | | |
| D506 | 8-719-911-19 | DIODE 1SS119 | | | | | |
| D507 | 8-719-300-33 | DIODE RU-3AM | | | | | |
| D508 | 8-719-911-19 | DIODE 1SS119 | | | | | |
| D509 | 8-719-911-19 | DIODE 1SS119 | | | | | |
| D511 | 8-719-902-85 | DIODE RG3G-5007L | | | | | |
| D512 | 8-719-311-87 | DIODE FMS-3FU | | | | | |
| | *4-393-401-01 | SPRING; D512 | | | | | |
| D513 | 8-719-911-19 | DIODE 1SS119 | | | | | |
| D514 | 8-719-911-19 | DIODE 1SS119 | | | | | |
| D515 | 8-719-911-19 | DIODE 1SS119 | | | | | |
| D531 | 8-719-911-19 | DIODE 1SS119 | | | | | |
| D533 | 8-719-109-81 | DIODE RD4.7ES-B2 | | | | | |
| D536 | 8-719-300-33 | DIODE RU-3AM | | | | | |
| D537 | 8-719-911-19 | DIODE 1SS119 | | | | | |
| D539 | 8-719-302-43 | DIODE EL1Z | | | | | |
| D602 | 8-719-511-40 | DIODE S1VB40 | | | | | |
| D640 | 8-719-911-19 | DIODE 1SS119 | | | | | |
| <IC> | | | | | | | |
| IC101 | 8-759-632-89 | IC M37100M8-717SP | | | | | |
| IC102 | 8-759-972-43 | IC PCD8582 | | | | | |
| IC103 | 8-759-403-44 | IC MN1280-S | | | | | |
| IC301 | 8-752-035-52 | IC CXA1313S | | | | | |
| IC500 | 8-759-980-58 | IC TDA8172 | | | | | |
| | *4-393-401-01 | SPRING; IC500 | | | | | |
| | 4-393-405-01 | SHEET (V), RADIATION; IC500 | | | | | |
| IC531 | 8-759-103-93 | IC UPC393C | | | | | |
| IC581 Δ | 8-759-142-04 | IC UPC7893HF | | | | | |
| | *4-393-401-01 | SPRING; IC581 | | | | | |
| IC582 Δ | 8-759-142-04 | IC UPC7893HF | | | | | |
| | *4-368-683-01 | SPRING; IC582 | | | | | |
| IC601 | 8-759-112-06 | IC UPC78N05H | | | | | |
| IC901 Δ | 8-759-171-05 | IC UPC7805H | | | | | |
| IC1701 | 8-759-978-66 | IC MB88201-638L | | | | | |

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

KV-27HSR10
RM-763

A


| REF.NO. | PART NO. | DESCRIPTION | REMARK | REF.NO. | PART NO. | DESCRIPTION | REMARK |
|-----------------|--------------|----------------------------|--------|------------|--------------|---------------------|--------|
| <IF BLOCK> | | | | <RESISTOR> | | | |
| 1F201 | 1-464-755-21 | IF BLOCK (IFE-450A) | | R101 | 1-249-425-11 | CARBON 4.7K 5% | 1/4W |
| <COIL> | | | | R102 | 1-249-416-11 | CARBON 820 5% | 1/4W |
| L101 | 1-408-421-00 | INDUCTOR 100UH | | R103 | 1-215-896-00 | METAL OXIDE 4.7K 5% | 2W F |
| L102 | 1-408-415-00 | INDUCTOR 33UH | | R105 | 1-249-429-11 | CARBON 10K 5% | 1/4W |
| L201 | 1-408-408-00 | INDUCTOR 8.2UH | | R106 | 1-249-421-11 | CARBON 2.2K 5% | 1/4W |
| L500 | 1-422-613-11 | COIL, AIR CORE | | R107 | 1-249-417-11 | CARBON 1K 5% | 1/4W |
| L501 | 1-459-148-00 | COIL | | R108 | 1-249-421-11 | CARBON 2.2K 5% | 1/4W |
| L503 | 1-422-613-11 | COIL, AIR CORE | | R109 | 1-249-421-11 | CARBON 2.2K 5% | 1/4W |
| L505 Δ | 1-410-669-31 | INDUCTOR 33UH | | R110 | 1-249-421-11 | CARBON 2.2K 5% | 1/4W |
| L506 | 1-408-225-00 | INDUCTOR 3.3UH | | R111 | 1-249-421-11 | CARBON 2.2K 5% | 1/4W |
| L507 | 1-421-541-00 | COIL, CHOKE 1000UH | | R112 | 1-249-421-11 | CARBON 2.2K 5% | 1/4W |
| L508 Δ | 1-424-210-11 | COIL, PIN MODULATION | | R113 | 1-249-421-11 | CARBON 2.2K 5% | 1/4W |
| L509 | 1-422-613-11 | COIL, AIR CORE | | R114 | 1-249-421-11 | CARBON 2.2K 5% | 1/4W |
| L511 | 1-408-225-00 | INDUCTOR 3.3UH | | R115 | 1-249-421-11 | CARBON 2.2K 5% | 1/4W |
| L512 Δ | 1-459-973-21 | COIL, HORIZONTAL LINEARITY | | R116 | 1-249-409-11 | CARBON 220 5% | 1/4W |
| L513 | 1-408-698-00 | INDUCTOR 8.2UH | | R117 | 1-249-409-11 | CARBON 220 5% | 1/4W |
| L514 Δ | 1-408-698-21 | INDUCTOR 8.2UH | | R118 | 1-249-409-11 | CARBON 220 5% | 1/4W |
| L1701 | 1-408-413-00 | INDUCTOR 22UH | | R119 | 1-249-431-11 | CARBON 15K 5% | 1/4W |
| <NEON LAMP> | | | | R120 | 1-249-421-11 | CARBON 2.2K 5% | 1/4W |
| NL501 | 1-519-108-99 | LAMP, NEON | | R121 | 1-249-421-11 | CARBON 2.2K 5% | 1/4W |
| <MODULE> | | | | R122 | 1-249-421-11 | CARBON 2.2K 5% | 1/4W |
| PM501A Δ | 1-808-690-11 | MODULE, PROTECTOR (PM-14) | | R123 | 1-249-421-11 | CARBON 2.2K 5% | 1/4W |
| <TRANSISTOR> | | | | R124 | 1-249-421-11 | CARBON 2.2K 5% | 1/4W |
| Q101 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | R125 | 1-249-421-11 | CARBON 2.2K 5% | 1/4W |
| Q102 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | | R126 | 1-249-421-11 | CARBON 2.2K 5% | 1/4W |
| Q104 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | | R127 | 1-249-413-11 | CARBON 470 5% | 1/4W |
| Q105 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | R128 | 1-249-425-11 | CARBON 4.7K 5% | 1/4W |
| Q107 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | R129 | 1-249-425-11 | CARBON 4.7K 5% | 1/4W |
| Q108 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | R130 | 1-249-437-11 | CARBON 47K 5% | 1/4W |
| Q170 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | R131 | 1-249-429-11 | CARBON 10K 5% | 1/4W |
| Q201 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | R133 | 1-249-421-11 | CARBON 2.2K 5% | 1/4W |
| Q301 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | | R134 | 1-249-421-11 | CARBON 2.2K 5% | 1/4W |
| Q302 | 8-729-900-89 | TRANSISTOR DTC144ES | | R135 | 1-249-429-11 | CARBON 10K 5% | 1/4W |
| Q303 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | | R136 | 1-249-429-11 | CARBON 10K 5% | 1/4W |
| Q304 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | | R137 | 1-249-409-11 | CARBON 220 5% | 1/4W |
| Q306 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | | R138 | 1-249-425-11 | CARBON 4.7K 5% | 1/4W |
| Q307 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | R139 | 1-249-421-11 | CARBON 2.2K 5% | 1/4W |
| Q308 | 8-729-900-89 | TRANSISTOR DTC144ES | | R140 | 1-249-439-11 | CARBON 68K 5% | 1/4W |
| Q310 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | R141 | 1-247-903-00 | CARBON 1M 5% | 1/4W |
| Q311 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | R142 | 1-249-437-11 | CARBON 47K 5% | 1/4W |
| Q312 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | | R143 | 1-249-437-11 | CARBON 47K 5% | 1/4W |
| Q313 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | R144 | 1-215-896-00 | METAL OXIDE 4.7K 5% | 2W F |
| Q314 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | R145 | 1-249-429-11 | CARBON 10K 5% | 1/4W |
| Q351 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | R146 | 1-247-903-00 | CARBON 1M 5% | 1/4W |
| Q352 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | R147 | 1-249-429-11 | CARBON 10K 5% | 1/4W |
| Q501 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | R148 | 1-249-429-11 | CARBON 10K 5% | 1/4W |
| Q502 | 8-729-119-80 | TRANSISTOR 2SC2688-LK | | R149 | 1-215-896-00 | METAL OXIDE 4.7K 5% | 2W F |
| Q503 | 8-729-304-50 | TRANSISTOR 2SD1941-06 | | R150 | 1-249-441-11 | CARBON 100K 5% | 1/4W |
| *4-393-401-01 | SPRING; Q503 | | | R151 | 1-249-429-11 | CARBON 10K 5% | 1/4W |
| Q504 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | R152 | 1-249-425-11 | CARBON 4.7K 5% | 1/4W |
| Q505 | 8-729-208-72 | TRANSISTOR 2SC3298B-Y | | R153 | 1-249-429-11 | CARBON 10K 5% | 1/4W |
| Q506 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | | R154 | 1-249-429-11 | CARBON 10K 5% | 1/4W |
| | | | | R156 | 1-249-409-11 | CARBON 220 5% | 1/4W |
| | | | | R158 | 1-249-429-11 | CARBON 10K 5% | 1/4W |
| | | | | R159 | 1-249-437-11 | CARBON 47K 5% | 1/4W |
| | | | | R160 | 1-247-887-00 | CARBON 220K 5% | 1/4W |
| | | | | R161 | 1-249-409-11 | CARBON 220 5% | 1/4W |
| | | | | R162 | 1-249-409-11 | CARBON 220 5% | 1/4W |
| | | | | R163 | 1-249-421-11 | CARBON 2.2K 5% | 1/4W |
| | | | | R164 | 1-249-409-11 | CARBON 220 5% | 1/4W |
| | | | | R165 | 1-249-409-11 | CARBON 220 5% | 1/4W |
| | | | | R166 | 1-249-409-11 | CARBON 220 5% | 1/4W |


A


Les composants identifiés par
une trame et une marque **A**
sont critiques pour la sécurité.
Ne les remplacer que par une
pièce portant le numéro spécifié.

The components identified by
shading and mark **A** are critical
for safety.
Replace only with part number
specified.

| REF. NO. | PART NO. | DESCRIPTION | REMARK | REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|--------------|-------------|--------------|---------------|--------------|-------------|----------------|
| R167 | 1-249-429-11 | CARBON | 10K 5% 1/4W | R330 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W |
| R168 | 1-249-429-11 | CARBON | 10K 5% 1/4W | R332 | 1-247-895-00 | CARBON | 470K 5% 1/4W |
| R169 | 1-249-429-11 | CARBON | 10K 5% 1/4W | R333 | 1-249-409-11 | CARBON | 220 5% 1/4W |
| R170 | 1-249-429-11 | CARBON | 10K 5% 1/4W | R334 | 1-249-420-11 | CARBON | 1.8K 5% 1/4W |
| R171 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W | R335 | 1-249-441-11 | CARBON | 100K 5% 1/4W |
| R172 | 1-249-429-11 | CARBON | 10K 5% 1/4W | R336 | 1-249-405-11 | CARBON | 100 5% 1/4W |
| R173 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W | R337 | 1-249-438-11 | CARBON | 56K 5% 1/4W |
| R174 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W | R339 | 1-249-411-11 | CARBON | 330 5% 1/4W |
| R175 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W | R340 | 1-249-405-11 | CARBON | 100 5% 1/4W |
| R176 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W | R341 | 1-249-405-11 | CARBON | 100 5% 1/4W |
| R177 | 1-249-409-11 | CARBON | 220 5% 1/4W | R342 | 1-249-405-11 | CARBON | 100 5% 1/4W |
| R178 | 1-249-417-11 | CARBON | 1k 5% 1/4W | R343 | 1-249-405-11 | CARBON | 100 5% 1/4W |
| R179 | 1-249-417-11 | CARBON | 1k 5% 1/4W | R344 | 1-249-405-11 | CARBON | 100 5% 1/4W |
| R181 | 1-249-417-11 | CARBON | 1k 5% 1/4W | R345 | 1-215-869-11 | METAL OXIDE | 1K 5% 1W F |
| R182 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W | R346 | 1-249-413-11 | CARBON | 470 5% 1/4W |
| R183 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W | R347 | 1-259-884-11 | CARBON | 4.7M 5% 1/4W |
| R184 | 1-249-417-11 | CARBON | 1K 5% 1/4W | R349 | 1-249-409-11 | CARBON | 220 5% 1/4W |
| R185 | 1-249-417-11 | CARBON | 1K 5% 1/4W | R350 | 1-249-423-11 | CARBON | 3.3K 5% 1/4W |
| R186 | 1-249-433-11 | CARBON | 22K 5% 1/4W | R351 | 1-249-441-11 | CARBON | 100K 5% 1/4W |
| R187 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W | R352 | 1-249-441-11 | CARBON | 100K 5% 1/4W |
| R188 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W | R353 | 1-249-441-11 | CARBON | 100K 5% 1/4W |
| R189 | 1-249-433-11 | CARBON | 22K 5% 1/4W | R354 | 1-249-433-11 | CARBON | 22K 5% 1/4W |
| R190 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W | R355 | 1-249-433-11 | CARBON | 22K 5% 1/4W |
| R191 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W | R356 | 1-249-433-11 | CARBON | 22K 5% 1/4W |
| R192 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W | R357 | 1-249-437-11 | CARBON | 47K 5% 1/4W |
| R194 | 1-249-417-11 | CARBON | 1K 5% 1/4W | R358 | 1-247-891-00 | CARBON | 330K 5% 1/4W |
| R195 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W | R359 | 1-249-433-11 | CARBON | 22K 5% 1/4W |
| R196 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W | R360 | 1-249-433-11 | CARBON | 22K 5% 1/4W |
| R197 | 1-259-884-11 | CARBON | 4.7M 5% 1/4W | R361 | 1-249-431-11 | CARBON | 15K 5% 1/4W |
| R198 | 1-249-417-11 | CARBON | 1K 5% 1/4W | R362 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W |
| R200 | 1-249-417-11 | CARBON | 1K 5% 1/4W | R363 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W |
| R201 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W | R364 | 1-249-405-11 | CARBON | 100 5% 1/4W |
| R202 | 1-249-429-11 | CARBON | 10K 5% 1/4W | R365 | 1-249-405-11 | CARBON | 100 5% 1/4W |
| R203 | 1-249-435-11 | CARBON | 33K 5% 1/4W | R366 | 1-249-437-11 | CARBON | 47K 5% 1/4W |
| R204 | 1-249-435-11 | CARBON | 33K 5% 1/4W | R367 | 1-249-417-11 | CARBON | 1K 5% 1/4W |
| R205 | 1-249-411-11 | CARBON | 330 5% 1/4W | R373 | 1-249-417-11 | CARBON | 1K 5% 1/4W |
| R208 | 1-216-423-11 | METAL OXIDE | 27 5% 1W F | R374 | 1-249-428-11 | CARBON | 8.2K 5% 1/4W |
| R209 | 1-249-417-11 | CARBON | 1K 5% 1/4W | R375 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W |
| R212 | 1-249-417-11 | CARBON | 1K 5% 1/4W | R376 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W |
| R301 | 1-215-448-00 | METAL | 13K 1% 1/6W | R377 | 1-249-439-11 | CARBON | 68K 5% 1/4W |
| R304 | 1-249-432-11 | CARBON | 18K 5% 1/4W | R378 | 1-249-427-11 | CARBON | 6.8K 5% 1/4W |
| R305 | 1-247-899-11 | CARBON | 680K 5% 1/4W | R379 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W |
| R306 | 1-215-421-00 | METAL | 1K 1% 1/6W | R380 | 1-249-424-11 | CARBON | 3.9K 5% 1/4W |
| R307 | 1-249-405-11 | CARBON | 100 5% 1/4W | R381 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W |
| R308 | 1-249-405-11 | CARBON | 100 5% 1/4W | R382 | 1-249-413-11 | CARBON | 470 5% 1/4W |
| R309 | 1-249-405-11 | CARBON | 100 5% 1/4W | R383 | 1-249-429-11 | CARBON | 10K 5% 1/4W |
| R310 | 1-249-409-11 | CARBON | 220 5% 1/4W | R385 | 1-247-903-00 | CARBON | 1M 5% 1/4W |
| R311 | 1-249-409-11 | CARBON | 220 5% 1/4W | R386 | 1-249-417-11 | CARBON | 1K 5% 1/4W |
| R312 | 1-249-409-11 | CARBON | 220 5% 1/4W | R500 | 1-249-433-11 | CARBON | 22K 5% 1/4W |
| R313 | 1-249-409-11 | CARBON | 220 5% 1/4W | R501 | 1-215-459-00 | METAL | 39K 1% 1/6W |
| R314 | 1-249-409-11 | CARBON | 220 5% 1/4W | R502 | 1-216-371-00 | METAL OXIDE | 1.5 5% 2W F |
| R315 | 1-249-417-11 | CARBON | 1K 5% 1/4W | R503 | 1-249-437-11 | CARBON | 47K 5% 1/4W |
| R316 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W | R504 | 1-215-446-00 | METAL | 11K 1% 1/6W |
| R317 | 1-249-429-11 | CARBON | 10K 5% 1/4W | R505 | 1-216-453-00 | METAL OXIDE | 270 5% 2W F |
| R320 | 1-249-429-11 | CARBON | 10K 5% 1/4W | R507 | 1-249-439-11 | CARBON | 68K 5% 1/4W |
| R321 | 1-249-441-11 | CARBON | 100K 5% 1/4W | R510 | 1-249-393-11 | CARBON | 10 5% 1/4W F |
| R322 | 1-249-428-11 | CARBON | 8.2K 5% 1/4W | R511 | 1-249-436-11 | CARBON | 39K 5% 1/4W |
| R323 | 1-215-457-00 | METAL | 33K 1% 1/6W | R513 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W |
| R324 | 1-249-405-11 | CARBON | 100 5% 1/4W | R516 A | 1-249-443-51 | CARBON | 0.47 5% 1/4W F |
| R325 | 1-249-414-11 | CARBON | 560 5% 1/4W | R517 A | 1-216-355-91 | METAL OXIDE | 3.3 5% 1W F |
| R326 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W | R518 | 1-249-482-11 | CARBON | 4.7 5% 1/2W F |
| R327 | 1-249-417-11 | CARBON | 1K 5% 1/4W | R519 A | 1-215-871-91 | METAL OXIDE | 2.2K 5% 1W F |
| R328 | 1-249-413-11 | CARBON | 470 5% 1/4W | R521 A | 1-249-465-91 | CARBON | 47K 5% 1/4W F |
| R329 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W | | | | |

- The components identified by  in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.












Les composants identifiés par une trame et une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifique.

The components identified by shading and mark  are critical for safety. Replace only with part number specified.

KV-27HSR10
RM-763

A

X

| REF. NO. | PART NO. | DESCRIPTION | REMARK | REF. NO. | PART NO. | DESCRIPTION | REMARK |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------------|----------------|-----------------------------------------------------------------------------------------|--------------|-------------------------------------|--------------------|
| R522 | 1-215-868-00 | METAL OXIDE | 680 5% 1W F | R1715 | 1-249-429-11 | CARBON 10K 5% 1/4W | |
| R523 | 1-216-342-11 | METAL OXIDE | 0.27 5% 1W F | | | <SPARK GAP> | |
| R524 | 1-215-890-11 | METAL OXIDE | 470 5% 2W F | SG501 | 1-519-422-11 | GAP, SPARK | |
| R528 | 1-215-880-00 | METAL OXIDE | 10 5% 2W F | | | <TRANSFORMER> | |
| R529 | 1-249-426-11 | CARBON | 5.6K 5% 1/4W | T500  | 1-439-455-11 | TRANSFORMER ASSY, FLYBACK (NX-2300) | |
| R530 | 1-247-887-00 | CARBON | 220K 5% 1/4W | T501  | 1-437-195-11 | TRANSFORMER, HORIZONTAL DRIVE | |
| R531 | 1-216-456-00 | METAL OXIDE | 820 5% 2W F | | | <TUNER> | |
| R533 | 1-249-429-11 | CARBON | 10K 5% 1/4W | TU101  | 1-463-771-11 | TUNER, ET (BTP-201A) | |
| R534 | 1-249-437-11 | CARBON | 47K 5% 1/4W | | | <CRYSTAL> | |
| R535 | 1-249-432-11 | CARBON | 18K 5% 1/4W | X101 | 1-577-082-11 | VIBRATOR, CERAMIC | |
| R536 | 1-247-889-00 | CARBON | 270K 5% 1/4W | X301 | 1-567-505-11 | OSCILLATOR, CRYSTAL | |
| R537 | 1-247-883-00 | CARBON | 150K 5% 1/4W | | | ***** | |
| R538 | 1-247-883-00 | CARBON | 150K 5% 1/4W | | | *1-629-624-11 | X BOARD |
| R539 | 1-216-456-00 | METAL OXIDE | 820 5% 2W F | | | ***** | |
| R541 | 1-215-437-00 | METAL | 4.7K 1% 1/6W | | | *1-568-380-21 | PIN, CONNECTOR 15P |
| R542 | 1-249-441-11 | CARBON | 100K 5% 1/4W | | | <CAPACITOR> | |
| R544 | 1-247-903-00 | CARBON | 1M 5% 1/4W | C251 | 1-124-499-11 | ELECT 1MF 20% 50V | |
| R545 | 1-247-903-00 | CARBON | 1M 5% 1/4W | C252 | 1-136-157-00 | FILM 0.022MF 5% 50V | |
| R546 | 1-247-891-00 | CARBON | 330K 5% 1/4W | C253 | 1-124-499-11 | ELECT 1MF 20% 50V | |
| R547 | 1-247-903-00 | CARBON | 1M 5% 1/4W | C254 | 1-130-309-00 | FILM 0.033MF 5% 100V | |
|  R549  | | CARBON | | C255 | 1-124-499-11 | ELECT 1MF 20% 50V | |
| R551 | 1-249-413-11 | CARBON | 470 5% 1/4W | C256 | 1-124-478-11 | ELECT 100MF 20% 25V | |
| R552 | 1-249-405-11 | CARBON | 100 5% 1/4W F | C257 | 1-124-927-11 | ELECT 4.7MF 20% 50V | |
| R553 | 1-249-401-11 | CARBON | 47 5% 1/4W | C258 | 1-124-902-00 | ELECT 0.47MF 20% 50V | |
| R554 | 1-249-423-11 | CARBON | 3.3K 5% 1/4W | C259 | 1-124-499-11 | ELECT 1MF 20% 50V | |
| R555 | 1-247-722-11 | CARBON | 5.6K 5% 1/4W F | C260 | 1-124-499-11 | ELECT 1MF 20% 50V | |
| R556 | 1-249-455-11 | CARBON | 4.7 5% 1/4W F | C261 | 1-124-499-11 | ELECT 1MF 20% 50V | |
| R558 | 1-215-890-11 | METAL OXIDE | 470 5% 2W F | C262 | 1-124-499-11 | ELECT 1MF 20% 50V | |
| R559  | 1-216-380-91 | METAL OXIDE | 8.2 5% 2W F | C263 | 1-124-499-11 | ELECT 1MF 20% 50V | |
| R560 | 1-247-887-00 | CARBON | 220K 5% 1/4W | C264 | 1-123-875-11 | ELECT 10MF 20% 50V | |
| R561 | 1-249-441-11 | CARBON | 100K 5% 1/4W | C265 | 1-136-170-00 | FILM 0.27MF 5% 50V | |
| R562 | 1-247-734-11 | CARBON | 39 5% 1/2W F | C266 | 1-123-875-11 | ELECT 10MF 20% 50V | |
| R563 | 1-215-890-11 | METAL OXIDE | 470 5% 2W F | C267 | 1-131-368-00 | TANTALUM 3.3MF 10% 16V | |
|  R567  | | CARBON | | C268 | 1-124-499-11 | ELECT 1MF 20% 50V | |
| R568 | 1-249-431-11 | CARBON | 15K 5% 1/4W | C269 | 1-131-347-00 | TANTALUM 1MF 20% 16V | |
| R569 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W | C270 | 1-124-499-11 | ELECT 1MF 20% 50V | |
| R570 | 1-249-439-11 | CARBON | 68K 5% 1/4W | C271 | 1-123-875-11 | ELECT 10MF 20% 50V | |
| R571  | 1-213-048-51 | FUSIBLE | 3.3 5% 1W F | C272 | 1-124-499-11 | ELECT 1MF 20% 50V | |
| R572  | 1-216-377-91 | METAL OXIDE | 4.7 5% 2W F | C273 | 1-124-477-11 | ELECT 47MF 20% 16V | |
| R573  | 1-216-377-91 | METAL OXIDE | 4.7 5% 2W F | C274 | 1-130-475-00 | MYLAR 0.0022MF 5% 50V | |
| R574 | 1-249-409-11 | CARBON | 220 5% 1/4W F | C275 | 1-130-475-00 | MYLAR 0.0022MF 5% 50V | |
| R575 | 1-249-405-11 | CARBON | 100 5% 1/4W | C276 | 1-102-074-00 | CERAMIC 0.001MF 10% 50V | |
| R601 | 1-249-443-11 | CARBON | 0.47 5% 1/4W F | C277 | 1-123-875-11 | ELECT 10MF 20% 50V | |
| R606 | 1-216-425-11 | METAL OXIDE | 56 5% 1W F | C278 | 1-124-499-11 | ELECT 1MF 20% 50V | |
| R620 | 1-249-440-11 | CARBON | 82K 5% 1/4W | C280 | 1-123-875-11 | ELECT 10MF 20% 50V | |
| R621 | 1-249-429-11 | CARBON | 10K 5% 1/4W | C281 | 1-123-875-11 | ELECT 10MF 20% 50V | |
| R622 | 1-249-441-11 | CARBON | 100K 5% 1/4W | C282 | 1-123-875-11 | ELECT 10MF 20% 50V | |
| R624 | 1-249-435-11 | CARBON | 33K 5% 1/4W | C284 | 1-123-875-11 | ELECT 10MF 20% 50V | |
| R625 | 1-249-423-11 | CARBON | 3.3K 5% 1/4W | C285 | 1-136-171-00 | FILM 0.33MF 5% 50V | |
| R626 | 1-249-434-11 | CARBON | 27K 5% 1/4W | C286 | 1-136-175-00 | FILM 0.68MF 5% 50V | |
| R1701 | 1-249-417-11 | CARBON | 1K 5% 1/4W | | | | |
| R1702 | 1-249-417-11 | CARBON | 1K 5% 1/4W | | | | |
| R1703 | 1-249-417-11 | CARBON | 1K 5% 1/4W | | | | |
| R1704 | 1-249-417-11 | CARBON | 1K 5% 1/4W | | | | |
| R1705 | 1-249-417-11 | CARBON | 1K 5% 1/4W | | | | |
| R1706 | 1-249-417-11 | CARBON | 1K 5% 1/4W | | | | |
| R1707 | 1-249-417-11 | CARBON | 1K 5% 1/4W | | | | |
| R1708 | 1-249-417-11 | CARBON | 1K 5% 1/4W | | | | |
| R1709 | 1-249-417-11 | CARBON | 1K 5% 1/4W | | | | |
| R1710 | 1-249-417-11 | CARBON | 1K 5% 1/4W | | | | |
| R1711 | 1-249-417-11 | CARBON | 1K 5% 1/4W | | | | |
| R1712 | 1-249-417-11 | CARBON | 1K 5% 1/4W | | | | |
| R1713 | 1-249-417-11 | CARBON | 1K 5% 1/4W | | | | |
| R1714 | 1-249-429-11 | CARBON | 10K 5% 1/4W | | | | |


X


C

Les composants identifiés par
une trame et une marque Δ
sont critiques pour la sécurité.
Ne les remplacer que par une
pièce portant le numéro spécifié.

The components identified by
shading and mark Δ are critical
for safety.
Replace only with part number
specified.

| REF.NO. | PART NO. | DESCRIPTION | REMARK | REF.NO. | PART NO. | DESCRIPTION | REMARK |
|---------------|-------------------------------|--------------|-----------------|--------------|--------------|--------------------------|--------|
| <IC> | | | | D710 | 8-719-901-83 | DIODE 1SS83 | |
| IC251 | 8-752-035-54 | IC CXA1264S | | D711 | 8-719-901-83 | DIODE 1SS83 | |
| <RESISTOR> | | | | D712 | 8-719-901-83 | DIODE 1SS83 | |
| R251 | 1-249-409-11 | CARBON | 220 5% 1/4W | D713 | 8-719-901-83 | DIODE 1SS83 | |
| R252 | 1-249-409-11 | CARBON | 220 5% 1/4W | <JACK> | | | |
| R253 | 1-249-409-11 | CARBON | 220 5% 1/4W | J701 | 1-540-071-11 | SOCKET, PICTURE TUBE | |
| R254 | 1-249-409-11 | CARBON | 220 5% 1/4W | <COIL> | | | |
| R255 | 1-249-420-11 | CARBON | 1.8K 5% 1/4W | L701 | 1-408-417-31 | INDUCTOR 47UH | |
| R256 | 1-249-405-11 | CARBON | 100 5% 1/4W | L702 | 1-408-421-00 | INDUCTOR 100UH | |
| R257 | 1-249-409-11 | CARBON | 220 5% 1/4W | L703 | 1-408-420-00 | INDUCTOR 82UH | |
| R258 | 1-249-409-11 | CARBON | 220 5% 1/4W | L704 | 1-408-410-00 | INDUCTOR 12UH | |
| R259 | 1-249-409-11 | CARBON | 220 5% 1/4W | L705 | 1-408-411-00 | INDUCTOR 15UH | |
| R260 | 1-249-409-11 | CARBON | 220 5% 1/4W | L706 | 1-408-421-00 | INDUCTOR 100UH | |
| R261 | 1-249-409-11 | CARBON | 220 5% 1/4W | L707 | 1-408-411-00 | INDUCTOR 15UH | |
| R262 | 1-249-409-11 | CARBON | 220 5% 1/4W | <TRANSISTOR> | | | |
| R266 | 1-215-456-00 | METAL | 30K 1% 1/6W | Q701 | 8-729-326-11 | TRANSISTOR 2SC2611 | |
| ***** | | | | Q702 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| *A-1330-949-A | C BOARD, COMPLETE | | | Q703 | 8-729-200-17 | TRANSISTOR 2SA1091 | |
| ***** | | | | Q704 | 8-729-326-11 | TRANSISTOR 2SC2611 | |
| *1-506-348-99 | PIN, CONNECTOR 3P | | | Q705 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| *1-508-768-00 | PIN, CONNECTOR (5MM PITCH) 6P | | | Q706 | 8-729-200-17 | TRANSISTOR 2SA1091 | |
| *1-564-511-11 | PLUG, CONNECTOR 8P | | | Q707 | 8-729-200-17 | TRANSISTOR 2SA1091 | |
| *4-379-160-01 | COVER (REAR LID), CV | | | Q708 | 8-729-326-11 | TRANSISTOR 2SC2611 | |
| *4-379-167-01 | COVER (MAIN), CV | | | Q709 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| <CAPACITOR> | | | | Q710 | 8-729-255-12 | TRANSISTOR 2SC2551 | |
| C701 | 1-162-116-00 | CERAMIC | 680PF 10% 2KV | Q711 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | |
| C702 | 1-136-601-11 | FILM | 0.01MF 5% 630V | Q712 | 8-729-255-12 | TRANSISTOR 2SC2551 | |
| C703 | 1-123-875-11 | ELECT | 10MF 20% 50V | Q713 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | |
| C704 | 1-123-946-00 | ELECT | 4.7MF 20% 250V | Q714 | 8-729-200-17 | TRANSISTOR 2SA1091 | |
| C705 | 1-106-367-00 | MYLAR | 0.01MF 10% 200V | Q715 | 8-729-200-17 | TRANSISTOR 2SA1091 | |
| C707 | 1-102-116-00 | CERAMIC | 680PF 10% 50V | Q716 | 8-729-200-17 | TRANSISTOR 2SA1091 | |
| C708 | 1-102-116-00 | CERAMIC | 680PF 10% 50V | <RESISTOR> | | | |
| C709 | 1-102-116-00 | CERAMIC | 680PF 10% 50V | R701 | 1-216-392-11 | METAL OXIDE 1.8 5% 3W F | |
| C710 | 1-102-117-00 | CERAMIC | 820PF 10% 50V | R702 | 1-202-848-00 | SOLID 680K 10% 1/2W | |
| C711 | 1-126-233-11 | ELECT | 22MF 20% 25V | R703 | 1-202-815-11 | SOLID 47K 10% 1/2W | |
| C712 | 1-102-116-00 | CERAMIC | 680PF 10% 50V | R704 | 1-202-846-00 | SOLID 470K 10% 1/2W | |
| C713 | 1-102-117-00 | CERAMIC | 820PF 10% 50V | R705 | 1-202-549-00 | SOLID 100 10% 1/2W | |
| C714 | 1-162-622-11 | CERAMIC | 330PF 10% 6.3KV | R706 | 1-202-838-00 | SOLID 100K 10% 1/2W | |
| C715 | 1-102-074-00 | CERAMIC | 0.001MF 10% 50V | R707 | 1-202-842-11 | SOLID 220K 10% 1/2W | |
| C718 | 1-102-074-00 | CERAMIC | 0.001MF 10% 50V | R708 | 1-202-818-00 | SOLID 1K 10% 1/2W | |
| C719 | 1-126-233-11 | ELECT | 22MF 20% 25V | R709 | 1-202-818-00 | SOLID 1K 10% 1/2W | |
| C720 | 1-126-233-11 | ELECT | 22MF 20% 25V | R710 | 1-202-818-00 | SOLID 1K 10% 1/2W | |
| C721 | 1-102-074-00 | CERAMIC | 0.001MF 10% 50V | R711 | 1-202-837-00 | SOLID 82K 10% 1/2W | |
| C730 | 1-102-116-00 | CERAMIC | 680PF 10% 50V | R712 | 1-202-842-11 | SOLID 220K 10% 1/2W | |
| C731 | 1-102-116-00 | CERAMIC | 680PF 10% 50V | R713 | 1-216-486-51 | METAL OXIDE 8.2K 5% 3W F | |
| C732 | 1-102-116-00 | CERAMIC | 680PF 10% 50V | R714 | 1-249-409-11 | CARBON 220 5% 1/4W | |
| <DIODE> | | | | R715 | 1-202-818-00 | SOLID 1K 10% 1/2W | |
| D701 | 8-719-911-19 | DIODE 1SS119 | | R716 | 1-216-486-51 | METAL OXIDE 8.2K 5% 3W F | |
| D702 | 8-719-911-19 | DIODE 1SS119 | | R717 | 1-249-409-11 | CARBON 220 5% 1/4W | |
| D703 | 8-719-911-19 | DIODE 1SS119 | | R718 | 1-249-409-11 | CARBON 220 5% 1/4W | |
| D704 | 8-719-911-19 | DIODE 1SS119 | | R720 | 1-216-486-51 | METAL OXIDE 8.2K 5% 3W F | |
| D705 | 8-719-911-19 | DIODE 1SS119 | | R721 | 1-202-842-11 | SOLID 220K 10% 1/2W | |
| D706 | 8-719-911-19 | DIODE 1SS119 | | R723 | 1-249-405-11 | CARBON 100 5% 1/4W | |
| D707 | 8-719-911-19 | DIODE 1SS119 | | R724 | 1-249-405-11 | CARBON 100 5% 1/4W | |
| D708 | 8-719-911-19 | DIODE 1SS119 | | R725 | 1-249-429-11 | CARBON 10K 5% 1/4W | |
| D709 | 8-719-911-19 | DIODE 1SS119 | | | | | |

The components identified by shading and mark  are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

KV-27HSR10
RM-763

C H₂ K

[illegible]



REF.NO. PART NO. DESCRIPTION

IC2452A 8-759-980-43 IC TDA2009A

<IC LINK>

PS2401 1-532-984-11 LINK, IC
PS2402 1-532-984-11 LINK, IC

<TRANSISTOR>

Q2451 8-729-119-78 TRANSISTOR 2SC2785-HFE
Q2452 8-729-119-78 TRANSISTOR 2SC2785-HFE
Q2455 8-729-119-78 TRANSISTOR 2SC2785-HFE
Q2456 8-729-119-76 TRANSISTOR 2SA1175-HFE
Q2457 8-729-119-78 TRANSISTOR 2SC2785-HFE

Q2458 8-729-119-76 TRANSISTOR 2SA1175-HFE

<RESISTOR>

R2424 1-215-421-00 METAL 1K 1% 1/6W
R2425 1-215-409-00 METAL 330 1% 1/6W
R2426 1-215-409-00 METAL 330 1% 1/6W
R2427 1-215-421-00 METAL 1K 1% 1/6W
R2433 1-215-437-00 METAL 4.7K 1% 1/6WR2438 1-215-437-00 METAL 4.7K 1% 1/6W
R2439 1-249-441-11 CARBON 100K 5% 1/4W
R2440 1-249-413-11 CARBON 470 5% 1/4W
R2441 1-249-435-11 CARBON 33K 5% 1/4W
R2442 1-249-441-11 CARBON 100K 5% 1/4WR2443 1-249-413-11 CARBON 470 5% 1/4W
R2444 1-249-430-11 CARBON 12K 5% 1/4W
R2445 1-249-430-11 CARBON 12K 5% 1/4W
R2446 1-249-441-11 CARBON 100K 5% 1/4W
R2447 1-249-439-11 CARBON 68K 5% 1/4WR2451 1-249-441-11 CARBON 100K 5% 1/4W
R2452 1-249-441-11 CARBON 100K 5% 1/4W
R2453 1-249-405-11 CARBON 100 5% 1/4W
R2454 1-215-439-00 METAL 5.6K 1% 1/6W
R2455 1-215-427-00 METAL 1.8K 1% 1/6WR2456 1-249-441-11 CARBON 100K 5% 1/4W
R2457 1-249-441-11 CARBON 100K 5% 1/4W
R2458 1-249-405-11 CARBON 100 5% 1/4W
R2459 1-249-421-11 CARBON 2.2K 5% 1/4W
R2460 1-249-421-11 CARBON 2.2K 5% 1/4WR2463 1-249-435-11 CARBON 33K 5% 1/4W
R2464 1-249-441-11 CARBON 100K 5% 1/4W
R2465 1-215-423-00 METAL 1.2K 1% 1/6W
R2466 1-215-417-00 METAL 680 1% 1/6W
R2468 1-215-387-00 METAL 39 1% 1/6WR2469 1-215-387-00 METAL 39 1% 1/6W
R2470 1-249-385-51 CARBON 2.2 5% 1/4W F
R2471 1-249-385-51 CARBON 2.2 5% 1/4W F
R2473 1-249-421-11 CARBON 2.2K 5% 1/4W
R2474 1-249-421-11 CARBON 2.2K 5% 1/4WR2483 1-215-439-00 METAL 5.6K 1% 1/6W
R2484 1-215-427-00 METAL 1.8K 1% 1/6W
R2487 1-249-430-11 CARBON 12K 5% 1/4W
R2488 1-249-430-11 CARBON 12K 5% 1/4W
R2489 1-215-423-00 METAL 1.2K 1% 1/6WR2491 1-215-387-00 METAL 39 1% 1/6W
R2492 1-215-417-00 METAL 680 1% 1/6W
R2493 1-215-387-00 METAL 39 1% 1/6W
R2494 1-249-385-11 CARBON 2.2 5% 1/4W F
R2495 1-249-385-11 CARBON 2.2 5% 1/4W FLes composants identifiés par
une trame et une marque Δ
sont critiques pour la sécurité.
Ne les remplacer que par une
pièce portant le numéro spécifié.The components identified by
shading and mark Δ are critical
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Replace only with part number
specified.

REMARK REF.NO. PART NO. DESCRIPTION REMARK

R2497 1-249-421-11 CARBON 2.2K 5% 1/4W
R2498 1-249-421-11 CARBON 2.2K 5% 1/4W

*1-629-620-11 N BOARD

*1-564-505-11 PLUG, CONNECTOR 2P

<CAPACITOR>

C890 1-124-925-11 ELECT 2.2MF 20% 50V
C891 1-124-925-11 ELECT 2.2MF 20% 50V

*A-1394-173-A U BOARD, COMPLETE
******1-564-519-11 PLUG, CONNECTOR 4P
*1-564-523-11 PLUG, CONNECTOR 8P
*1-566-941-11 CONNECTOR, HINGE (TAB) 30P
*1-568-377-11 CONNECTOR, HINGE (TAB) 7P
*4-341-752-01 EYELET (EY1,EY2,EY3,EY4,EY5)

<CAPACITOR>

C401 1-126-233-11 ELECT 22MF 20% 25V
C402 1-101-004-00 CERAMIC 0.01MF 50V
C403 1-124-499-11 ELECT 1MF 20% 50V
C404 1-124-499-11 ELECT 1MF 20% 50V
C405 1-126-233-11 ELECT 22MF 20% 25VC407 1-124-499-11 ELECT 1MF 20% 50V
C408 1-124-499-11 ELECT 1MF 20% 50V
C409 1-126-233-11 ELECT 22MF 20% 25V
C410 1-123-875-11 ELECT 10MF 20% 50V
C411 1-126-233-11 ELECT 22MF 20% 25VC413 1-124-499-11 ELECT 1MF 20% 50V
C414 1-124-499-11 ELECT 1MF 20% 50V
C415 1-126-233-11 ELECT 22MF 20% 25V
C418 1-124-478-11 ELECT 100MF 20% 25V
C419 1-124-478-11 ELECT 100MF 20% 25VC420 1-124-477-11 ELECT 47MF 20% 16V
C421 1-126-103-11 ELECT 470MF 20% 16V
C422 1-126-103-11 ELECT 470MF 20% 16V
C423 1-101-004-00 CERAMIC 0.01MF 50V
C424 1-126-233-11 ELECT 22MF 20% 25VC425 1-126-233-11 ELECT 22MF 20% 25V
C426 1-124-477-11 ELECT 47MF 20% 16V
C428 1-126-233-11 ELECT 22MF 20% 25V
C429 1-124-589-11 ELECT 47MF 20% 16V
C430 1-126-233-11 ELECT 22MF 20% 25VC431 1-124-478-11 ELECT 100MF 20% 25V
C433 1-126-233-11 ELECT 22MF 20% 25V
C434 1-126-233-11 ELECT 22MF 20% 25V
C435 1-124-499-11 ELECT 1MF 20% 50V
C436 1-124-499-11 ELECT 1MF 20% 50VC437 1-126-233-11 ELECT 22MF 20% 25V
C438 1-126-233-11 ELECT 22MF 20% 25V
C439 1-126-233-11 ELECT 22MF 20% 25V
C440 1-124-477-11 ELECT 47MF 20% 16V
C441 1-124-477-11 ELECT 47MF 20% 16VC442 1-126-233-11 ELECT 22MF 20% 25V
C445 1-124-589-11 ELECT 47MF 20% 16V
C462 1-124-589-11 ELECT 47MF 20% 16V
C490 1-101-004-00 CERAMIC 0.01MF 50V

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| REF. NO. | PART NO. | DESCRIPTION | REMARK | REF. NO. | PART NO. | DESCRIPTION | REMARK |
|--------------|--------------|------------------------|---------|------------|--------------|---------------------|--------|
| C491 | 1-124-477-11 | ELECT 47MF | 20% 16V | <RESISTOR> | | | |
| C492 | 1-126-233-11 | ELECT 22MF | 20% 25V | R401 | 1-247-804-11 | CARBON 75 5% 1/4W | |
| C493 | 1-124-477-11 | ELECT 47MF | 20% 16V | R402 | 1-247-804-11 | CARBON 75 5% 1/4W | |
| C495 | 1-102-973-00 | CERAMIC 100PF | 5% 50V | R403 | 1-249-434-11 | CARBON 27K 5% 1/4W | |
| C1402 | 1-124-589-11 | ELECT 47MF | 20% 16V | R404 | 1-247-885-00 | CARBON 180K 5% 1/4W | |
| C1403 | 1-124-589-11 | ELECT 47MF | 20% 16V | R405 | 1-247-885-00 | CARBON 180K 5% 1/4W | |
| <DIODE> | | | | R406 | 1-249-434-11 | CARBON 27K 5% 1/4W | |
| D401 | 8-719-109-97 | DIODE RD6.8ES-B2 | | R407 | 1-247-804-11 | CARBON 75 5% 1/4W | |
| D402 | 8-719-109-97 | DIODE RD6.8ES-B2 | | R409 | 1-249-434-11 | CARBON 27K 5% 1/4W | |
| D403 | 8-719-109-97 | DIODE RD6.8ES-B2 | | R410 | 1-247-885-00 | CARBON 180K 5% 1/4W | |
| D408 | 8-719-109-97 | DIODE RD6.8ES-B2 | | R411 | 1-247-804-11 | CARBON 75 5% 1/4W | |
| D409 | 8-719-109-97 | DIODE RD6.8ES-B2 | | R413 | 1-249-434-11 | CARBON 27K 5% 1/4W | |
| D410 | 8-719-109-97 | DIODE RD6.8ES-B2 | | R414 | 1-247-885-00 | CARBON 180K 5% 1/4W | |
| D411 | 8-719-109-97 | DIODE RD6.8ES-B2 | | R415 | 1-249-434-11 | CARBON 27K 5% 1/4W | |
| D415 | 8-719-110-17 | DIODE RD10ES-B2 | | R416 | 1-247-885-00 | CARBON 180K 5% 1/4W | |
| D418 | 8-719-911-19 | DIODE 1SS119 | | R417 | 1-247-895-00 | CARBON 470K 5% 1/4W | |
| D419 | 8-719-911-19 | DIODE 1SS119 | | R418 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| D421 | 8-719-109-97 | DIODE RD6.8ES-B2 | | R419 | 1-247-895-00 | CARBON 470K 5% 1/4W | |
| D422 | 8-719-109-97 | DIODE RD6.8ES-B2 | | R420 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| D423 | 8-719-109-97 | DIODE RD6.8ES-B2 | | R421 | 1-247-804-11 | CARBON 75 5% 1/4W | |
| <IC> | | | | R422 | 1-247-895-00 | CARBON 470K 5% 1/4W | |
| IC401 | 8-759-710-68 | IC NJM2245S | | R423 | 1-247-895-00 | CARBON 470K 5% 1/4W | |
| IC402 | 8-759-710-68 | IC NJM2245S | | R424 | 1-247-895-00 | CARBON 470K 5% 1/4W | |
| IC405 | 8-759-710-69 | IC NJM2233BS | | R425 | 1-247-895-00 | CARBON 470K 5% 1/4W | |
| IC444 | 8-752-032-27 | IC CXA1114P | | R426 | 1-249-424-11 | CARBON 3.9K 5% 1/4W | |
| IC1401 | 8-759-710-69 | IC NJM2233BS | | R427 | 1-247-895-00 | CARBON 470K 5% 1/4W | |
| <JACK> | | | | R428 | 1-249-424-11 | CARBON 3.9K 5% 1/4W | |
| J401 | 1-565-931-11 | TERMINAL BLOCK, S 3P | | R429 | 1-249-434-11 | CARBON 27K 5% 1/4W | |
| J402 | 1-565-840-11 | PIN JACK BLOCK 6P | | R432 | 1-249-405-11 | CARBON 100 5% 1/4W | |
| J403 | 1-565-931-11 | TERMINAL BLOCK, S 3P | | R433 | 1-249-413-11 | CARBON 470 5% 1/4W | |
| J404 | 1-565-838-11 | PIN JACK BLOCK 2P | | R434 | 1-249-409-11 | CARBON 220 5% 1/4W | |
| <COIL> | | | | R435 | 1-249-403-11 | CARBON 68 5% 1/4W | |
| L401 | 1-408-412-00 | INDUCTOR 18UH | | R436 | 1-249-425-11 | CARBON 4.7K 5% 1/4W | |
| L404 | 1-410-663-31 | INDUCTOR 10UH | | R437 | 1-247-885-00 | CARBON 180K 5% 1/4W | |
| <TRANSISTOR> | | | | R438 | 1-249-405-11 | CARBON 100 5% 1/4W | |
| Q401 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | R439 | 1-249-413-11 | CARBON 470 5% 1/4W | |
| Q402 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | R440 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| Q403 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | | R441 | 1-249-409-11 | CARBON 220 5% 1/4W | |
| Q404 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | R447 | 1-249-409-11 | CARBON 220 5% 1/4W | |
| Q405 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | R448 | 1-249-409-11 | CARBON 220 5% 1/4W | |
| Q406 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | R449 | 1-249-413-11 | CARBON 470 5% 1/4W | |
| Q407 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | R450 | 1-249-409-11 | CARBON 220 5% 1/4W | |
| Q408 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | R451 | 1-249-421-11 | CARBON 2.2K 5% 1/4W | |
| Q409 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | R452 | 1-249-433-11 | CARBON 22K 5% 1/4W | |
| Q410 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | R457 | 1-249-405-11 | CARBON 100 5% 1/4W | |
| Q411 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | R458 | 1-249-405-11 | CARBON 100 5% 1/4W | |
| Q412 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | | R459 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| Q413 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | | R460 | 1-249-405-11 | CARBON 100 5% 1/4W | |
| Q414 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | | R461 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| Q415 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | R462 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| Q416 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | R463 | 1-249-405-11 | CARBON 100 5% 1/4W | |
| Q491 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | R465 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| Q492 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | R466 | 1-249-405-11 | CARBON 100 5% 1/4W | |
| Q1401 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | R467 | 1-249-405-11 | CARBON 100 5% 1/4W | |
| | | | | R468 | 1-249-433-11 | CARBON 22K 5% 1/4W | |
| | | | | R469 | 1-249-433-11 | CARBON 22K 5% 1/4W | |
| | | | | R470 | 1-249-403-11 | CARBON 68 5% 1/4W | |
| | | | | R471 | 1-249-403-11 | CARBON 68 5% 1/4W | |
| | | | | R472 | 1-249-403-11 | CARBON 68 5% 1/4W | |
| | | | | R474 | 1-249-405-11 | CARBON 100 5% 1/4W | |
| | | | | R475 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| | | | | R476 | 1-249-433-11 | CARBON 22K 5% 1/4W | |

U

Fo

Les composants identifiés par
une trame et une marque **△**
sont critiques pour la sécurité.
Ne les remplacer que par une
pièce portant le numéro spécifié.

The components identified by
shading and mark **△** are critical
for safety.
Replace only with part number
specified.

| REF.NO. | PART NO. | DESCRIPTION | REMARK | REF.NO. | PART NO. | DESCRIPTION | REMARK |
|-----------------------------------|---------------------------|--------------------------------|--------------|---------------|--------------------------------|-------------|--------|
| R479 | 1-249-433-11 | CARBON | 22K 5% 1/4W | 3-750-053-21 | MANUAL, INSTRUCTION | | |
| R480 | 1-249-433-11 | CARBON | 22K 5% 1/4W | 3-750-053-31 | MANUAL, INSTRUCTION (CND ONLY) | | |
| R481 | 1-249-433-11 | CARBON | 22K 5% 1/4W | *4-384-027-01 | BAG, PROTECTION | | |
| R483 | 1-249-417-11 | CARBON | 1K 5% 1/4W | | | | |
| R484 | 1-215-455-00 | METAL | 27K 1% 1/6W | *4-393-649-01 | CUSHION (UPPER) (ASSY) | | |
| R485 | 1-215-475-00 | METAL | 180K 1% 1/6W | *4-393-650-01 | CUSHION (LOWER) (ASSY) | | |
| R486 | 1-215-455-00 | METAL | 27K 1% 1/6W | *4-393-651-01 | INDIVIDUAL CARTON | | |
| R487 | 1-215-475-00 | METAL | 180K 1% 1/6W | | | | |
| R488 | 1-249-433-11 | CARBON | 22K 5% 1/4W | | | | |
| R489 | 1-249-433-11 | CARBON | 22K 5% 1/4W | | | | |
| R490 | 1-249-417-11 | CARBON | 1K 5% 1/4W | | | | |
| R491 | 1-249-417-11 | CARBON | 1K 5% 1/4W | | | | |
| R492 | 1-249-417-11 | CARBON | 1K 5% 1/4W | | | | |
| R493 | 1-249-431-11 | CARBON | 15K 5% 1/4W | | | | |
| R494 | 1-249-429-11 | CARBON | 10K 5% 1/4W | | | | |
| R495 | 1-249-417-11 | CARBON | 1K 5% 1/4W | | | | |
| R496 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W | | | | |
| R497 | 1-249-417-11 | CARBON | 1K 5% 1/4W | | | | |
| R498 | 1-249-417-11 | CARBON | 1K 5% 1/4W | | | | |
| R1401 | 1-249-405-11 | CARBON | 100 5% 1/4W | | | | |
| R1402 | 1-249-405-11 | CARBON | 100 5% 1/4W | | | | |
| R1403 | 1-249-417-11 | CARBON | 1K 5% 1/4W | | | | |
| R1420 | 1-249-413-11 | CARBON | 470 5% 1/4W | | | | |
| R1421 | 1-249-413-11 | CARBON | 470 5% 1/4W | | | | |
| R1422 | 1-249-405-11 | CARBON | 100 5% 1/4W | | | | |
| R1423 | 1-249-441-11 | CARBON | 100K 5% 1/4W | | | | |
| R1424 | 1-249-429-11 | CARBON | 10K 5% 1/4W | | | | |
| R1425 | 1-249-429-11 | CARBON | 10K 5% 1/4W | | | | |
| <SWITCH> | | | | | | | |
| S401 | 1-571-729-11 | SWITCH, SLIDE | | | | | |
| S402 | 1-554-303-21 | SWITCH, KEY BOARD | | | | | |
| ***** | | | | | | | |
| | *1-629-628-11 | FO BOARD | | | | | |
| | | ***** | | | | | |
| ***** | | | | | | | |
| MISCELLANEOUS | | | | | | | |
| ***** | | | | | | | |
| △ | 1-417-177-11 | SELECTOR, ANTENNA (AS-1) | | | | | |
| △ | 1-426-350-21 | COIL, DEMAGNETIZATION | | | | | |
| △ | 1-451-275-11 | DEFLECTION YOKE (Y28PFA) | | | | | |
| | 1-452-032-00 | MAGNET, DISK; 10MM φ | | | | | |
| | 1-452-094-00 | MAGNET, ROTATABLE DISK; 15MM φ | | | | | |
| | 1-503-917-11 | SPEAKER | | | | | |
| | 1-544-095-11 | SPEAKER | | | | | |
| | *1-556-945-21 | CABLE, P-P | | | | | |
| △ | 1-559-396-11 | CORD, POWER | | | | | |
| | *1-568-507-11 | CONNECTOR, BRIDGE 15P | | | | | |
| | 8-741-159-30 | IC SBX1593-01 | | | | | |
| V901 | △ 8-737-753-05 | PICTURE TUBE (A68JMT50X) | | | | | |
| ***** | | | | | | | |
| ACCESSORIES AND PACKING MATERIALS | | | | | | | |
| ***** | | | | | | | |
| PART NO. | DESCRIPTION | REMARK | | | | | |
| 1-465-170-11 | REMOTE COMMANDER (RM-763) | | | | | | |
| 1-562-443-11 | CONNECTOR, ANTENNA | | | | | | |

KV-27HSR10

RM-763

SONY[®] SERVICE MANUAL

US Model

Chassis No. SCC-C59C-A

Canadian Model

Chassis No. SCC-C60C-A

SUPPLEMENT-1

File this supplement with the Service Manual.

INTRODUCTION

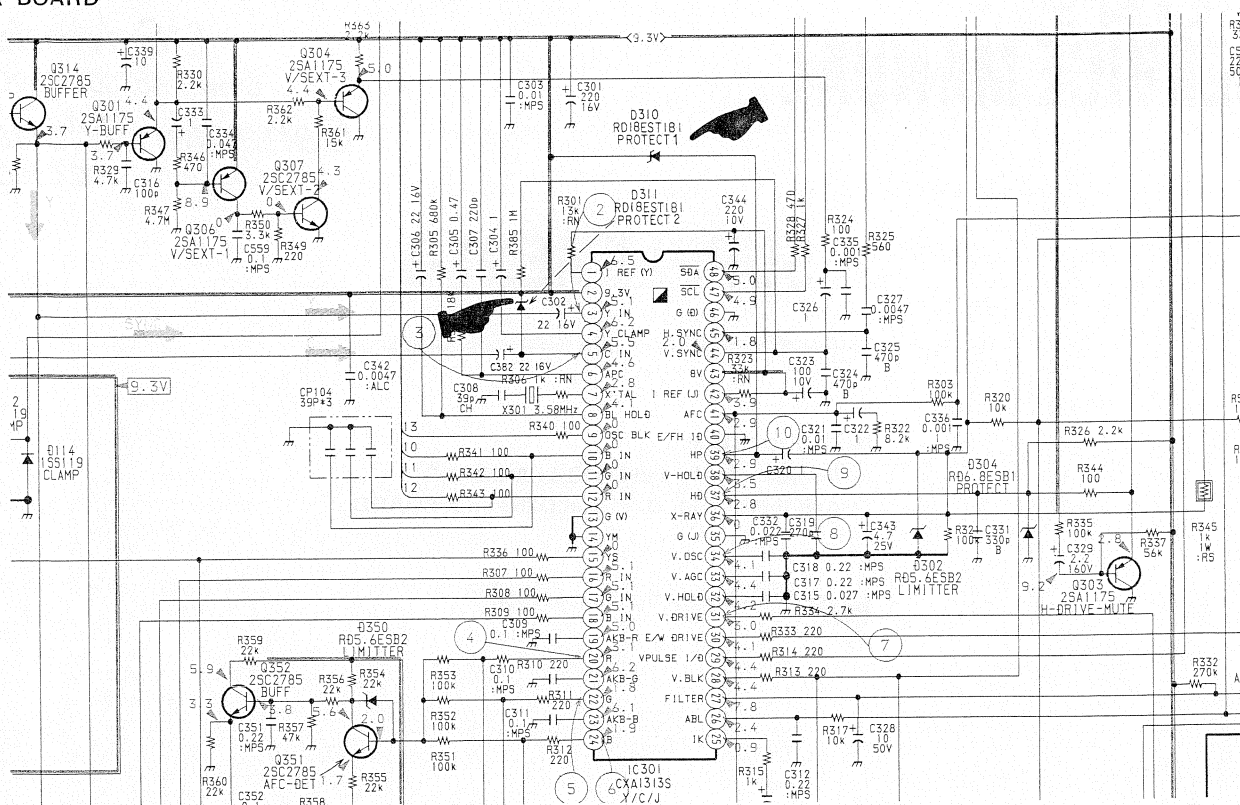
Addition: D311 and D312 on A BOARD

Addition: D251, D252 and D253 on X BOARD

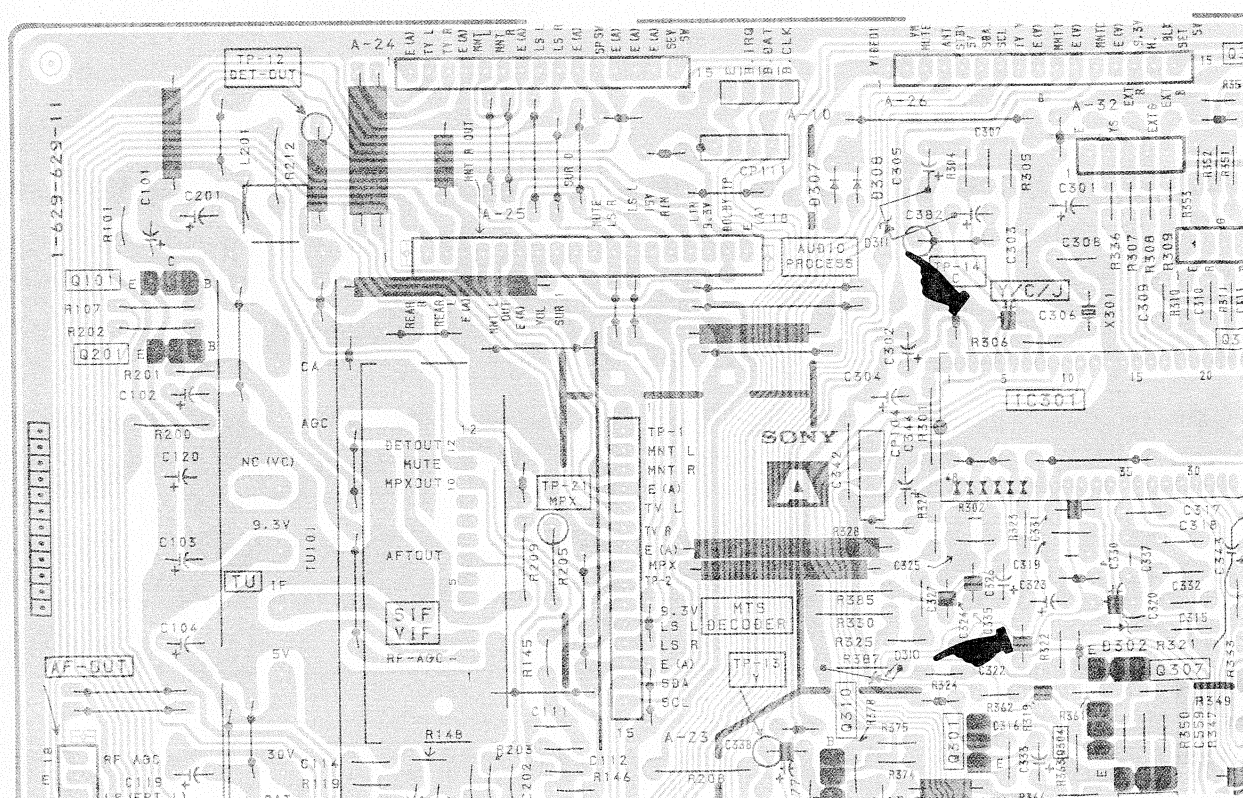


: Indicates modified portion

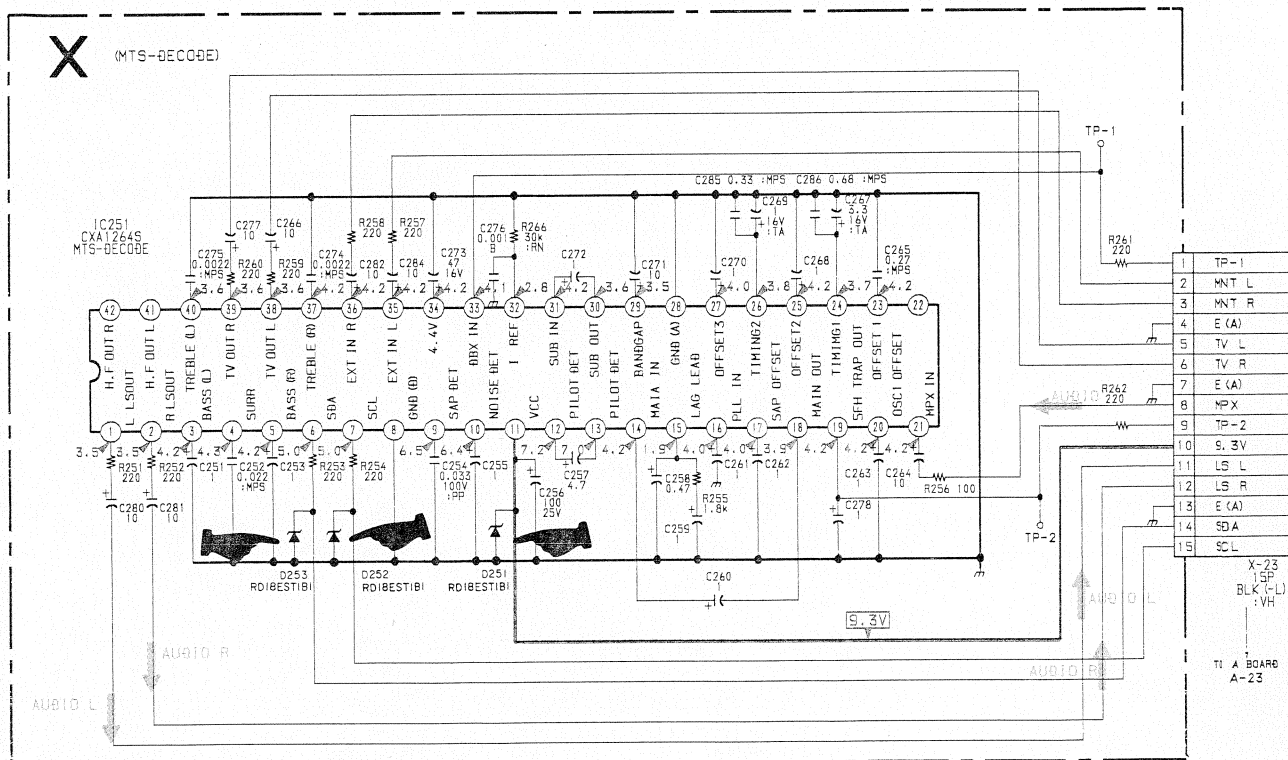
6-4. SCHEMATIC DIAGRAMS: PAGE 34 - 35
A BOARD



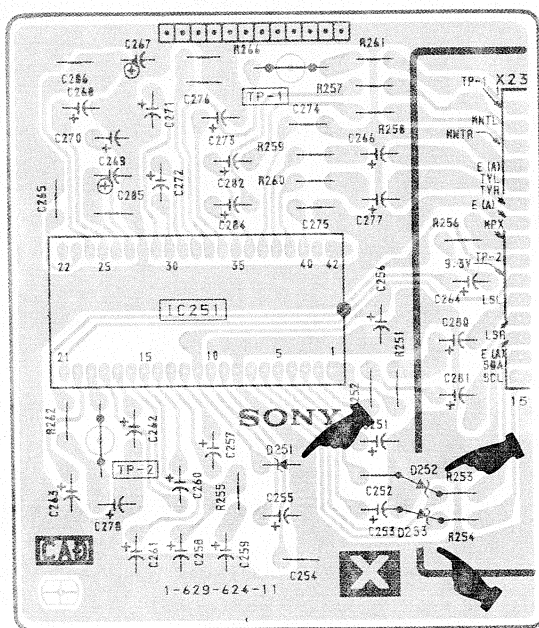
6-3. PRINTED WIRING BOARDS: PAGE 31
A BOARD



6-4. SCHEMATIC DIAGRAMS: PAGE 38 – 39
X BOARD



6-3. PRINTED WIRING BOARDS: PAGE 44
X BOARD



KV-27HSR10

RM-763

SONY

SERVICE MANUAL

US Model
Chassis No.SCC-C59C-A

Canadian Model
Chassis No.SCC-C60C-A

SUPPLEMENT-2

File this supplement with the service manual.

INTRODUCTION

 : Indicates added portion

1. Added : X1 board.

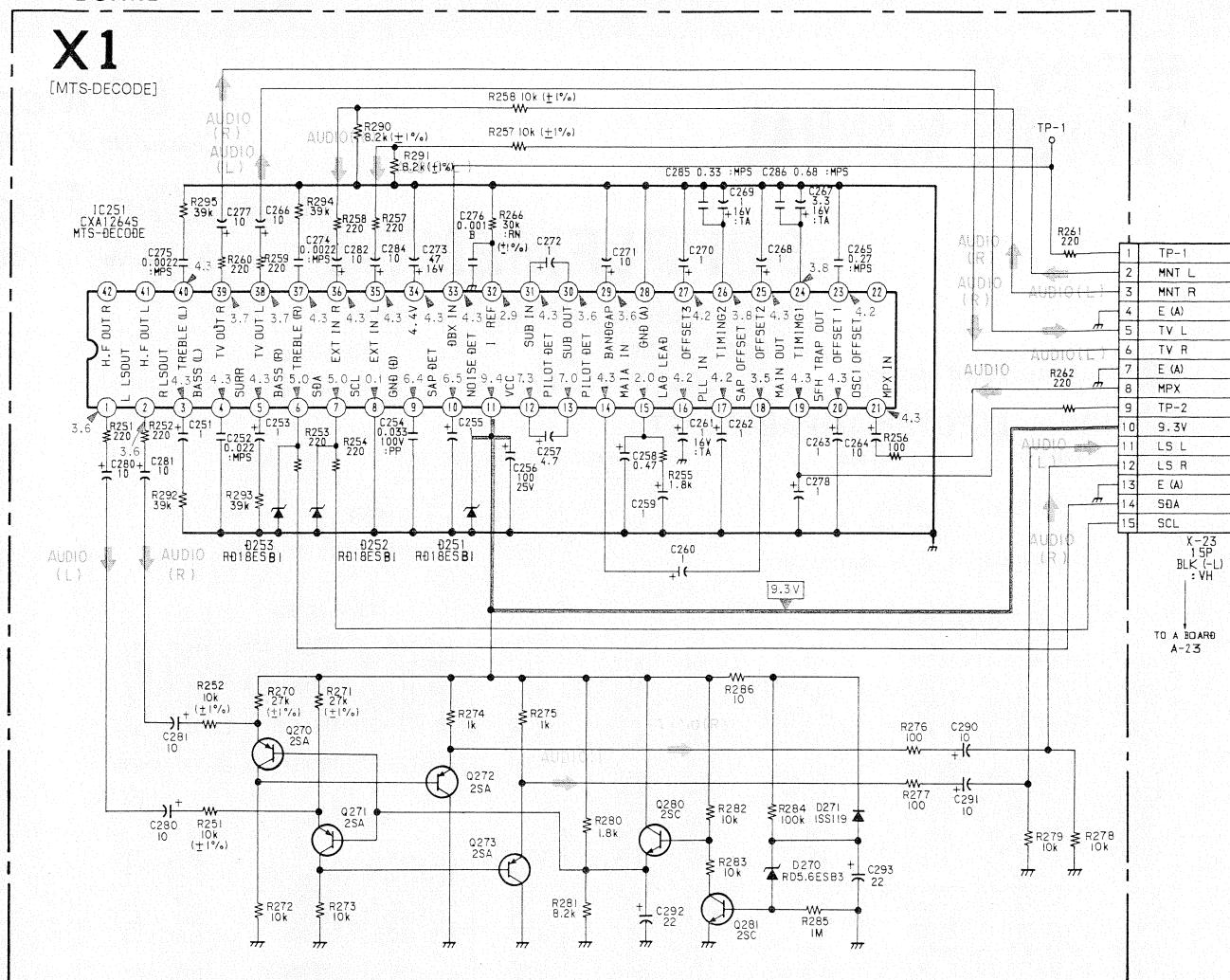
SECTION 8 ELECTRICAL PARTS LIST

| REF.NO. | PART NO. | DESCRIPTION | REMARK | REF.NO. | PART NO. | DESCRIPTION | REMARK |
|---------|---------------|-------------------------|--------|---------|--------------|-------------------------|--------|
| | *1-635-250-11 | X1 BOARD ***** | | | | <IC> | |
| | *1-568-380-21 | PIN, CONNECTOR 15P | | 1C251 | 8-752-035-54 | IC CXA1264S | |
| | | <CAPACITOR> | | | | <TRANSISTOR> | |
| C251 | 1-124-791-11 | ELECT 1KF 20% 50V | | Q270 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | |
| C252 | 1-136-157-00 | FILM 0.022MF 5% 50V | | Q271 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | |
| C253 | 1-124-791-11 | ELECT 1KF 20% 50V | | Q272 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | |
| C254 | 1-130-309-00 | FILM 0.033MF 5% 100V | | Q273 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | |
| C255 | 1-124-791-11 | ELECT 1KF 20% 50V | | Q280 | 8-729-423-37 | TRANSISTOR 2SC3311A-QRS | |
| | | | | Q281 | 8-729-423-37 | TRANSISTOR 2SC3311A-QRS | |
| C256 | 1-124-478-11 | ELECT 100MF 20% 25V | | | | <RESISTOR> | |
| C257 | 1-124-927-11 | ELECT 4.7MF 20% 50V | | R251 | 1-215-443-00 | METAL 8.2K 1% 1/5W | |
| C258 | 1-124-902-00 | ELECT 0.47MF 20% 50V | | R252 | 1-215-443-00 | METAL 8.2K 1% 1/5W | |
| C259 | 1-124-791-11 | ELECT 1KF 20% 50V | | R253 | 1-249-409-11 | CARBON 220 5% 1/4W | |
| C260 | 1-124-791-11 | ELECT 1KF 20% 50V | | R254 | 1-249-409-11 | CARBON 220 5% 1/4W | |
| | | | | R255 | 1-249-420-11 | CARBON 1.8K 5% 1/4W | |
| C261 | 1-131-347-00 | TANTALUM 1KF 20% 16V | | R256 | 1-249-405-11 | CARBON 100 5% 1/4W | |
| C262 | 1-124-791-11 | ELECT 1KF 20% 50V | | R257 | 1-215-445-00 | METAL 10K 1% 1/5W | |
| C263 | 1-124-791-11 | ELECT 1KF 20% 50V | | R258 | 1-215-445-00 | METAL 10K 1% 1/5W | |
| C264 | 1-123-875-11 | ELECT 10MF 20% 50V | | R259 | 1-249-409-11 | CARBON 220 5% 1/4W | |
| C265 | 1-136-170-00 | FILM 0.27MF 5% 50V | | R260 | 1-249-409-11 | CARBON 220 5% 1/4W | |
| C266 | 1-123-875-11 | ELECT 10MF 20% 50V | | R261 | 1-249-409-11 | CARBON 220 5% 1/4W | |
| C267 | 1-131-368-00 | TANTALUM 3.3KF 10% 16V | | R262 | 1-249-409-11 | CARBON 220 5% 1/4W | |
| C268 | 1-124-791-11 | ELECT 1KF 20% 50V | | R266 | 1-215-456-00 | METAL 30K 1% 1/5W | |
| C269 | 1-131-347-00 | TANTALUM 1KF 20% 16V | | R270 | 1-249-428-11 | CARBON 8.2K 5% 1/4W | |
| C270 | 1-124-791-11 | ELECT 1KF 20% 50V | | R271 | 1-249-428-11 | CARBON 8.2K 5% 1/4W | |
| C271 | 1-123-875-11 | ELECT 10MF 20% 50V | | R272 | 1-215-455-00 | METAL 27K 1% 1/5W | |
| C272 | 1-124-791-11 | ELECT 1KF 20% 50V | | R273 | 1-215-455-00 | METAL 27K 1% 1/5W | |
| C273 | 1-124-477-11 | ELECT 47MF 20% 16V | | R274 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| C274 | 1-130-475-00 | MYLAR 0.0022MF 5% 50V | | R275 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| C275 | 1-130-475-00 | MYLAR 0.0022MF 5% 50V | | R276 | 1-249-405-11 | CARBON 100 5% 1/4W | |
| C276 | 1-102-074-00 | CERAMIC 0.001MF 10% 50V | | R277 | 1-249-405-11 | CARBON 100 5% 1/4W | |
| C277 | 1-123-875-11 | ELECT 10MF 20% 50V | | R278 | 1-249-429-11 | CARBON 10K 5% 1/4W | |
| C278 | 1-124-791-11 | ELECT 1KF 20% 50V | | R279 | 1-249-429-11 | CARBON 10K 5% 1/4W | |
| C280 | 1-123-875-11 | ELECT 10MF 20% 50V | | R280 | 1-249-420-11 | CARBON 1.8K 5% 1/4W | |
| C281 | 1-123-875-11 | ELECT 10MF 20% 50V | | R281 | 1-249-428-11 | CARBON 8.2K 5% 1/4W | |
| C282 | 1-124-927-11 | ELECT 4.7MF 20% 50V | | R282 | 1-249-429-11 | CARBON 10K 5% 1/4W | |
| C284 | 1-124-927-11 | ELECT 4.7MF 20% 50V | | R283 | 1-249-429-11 | CARBON 10K 5% 1/4W | |
| C285 | 1-136-171-00 | FILM 0.33MF 5% 50V | | R284 | 1-249-441-11 | CARBON 100K 5% 1/4W | |
| C286 | 1-136-175-00 | FILM 0.68MF 5% 50V | | R285 | 1-247-903-00 | CARBON 1M 5% 1/4W | |
| C290 | 1-123-875-11 | ELECT 10MF 20% 50V | | R286 | 1-249-393-11 | CARBON 10 5% 1/4W | |
| C291 | 1-123-875-11 | ELECT 10MF 20% 50V | | R290 | 1-215-441-00 | METAL 6.8K 1% 1/5W | |
| C292 | 1-123-875-11 | ELECT 10MF 20% 50V | | R291 | 1-215-441-00 | METAL 6.8K 1% 1/5W | |
| C293 | 1-126-233-11 | ELECT 22MF 20% 50V | | R292 | 1-249-433-11 | CARBON 22K 5% 1/4W | |
| C294 | 1-123-875-11 | ELECT 10MF 20% 50V | | R293 | 1-249-433-11 | CARBON 22K 5% 1/4W | |
| | | <DIODE> | | R294 | 1-249-433-11 | CARBON 22K 5% 1/4W | |
| D251 | 8-719-110-48 | DIODE RD18ES-B1 | | R295 | 1-249-433-11 | CARBON 22K 5% 1/4W | |
| D252 | 8-719-110-48 | DIODE RD18ES-B1 | | | | | |
| D253 | 8-719-110-48 | DIODE RD18ES-B1 | | | | | |
| D270 | 8-719-109-90 | DIODE RD5.6ES-B3 | | | | | |
| D271 | 8-719-911-19 | DIODE ISS119 | | | | | |

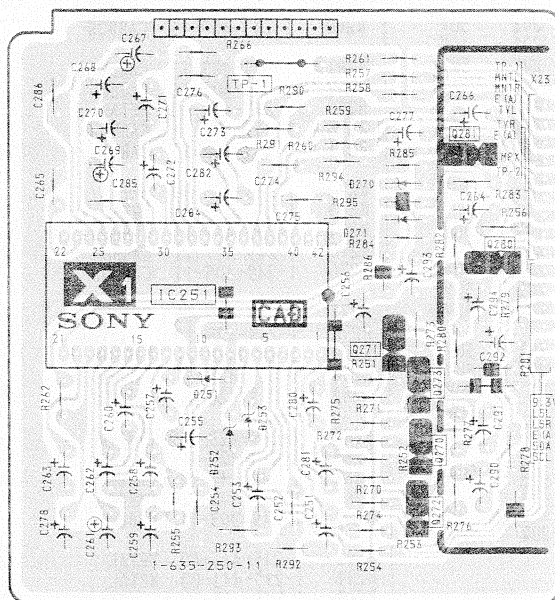
SECTION 6 DIAGRAMS

6-2. SCHEMATIC DIAGRAMS AND PRINTED WIRING

X1 BOARD



-X1 Board-



Sony Corporation
TV Group